AMBER model 5500

PROGRAMMABLE AUDIO MEASUREMENT SYSTEM

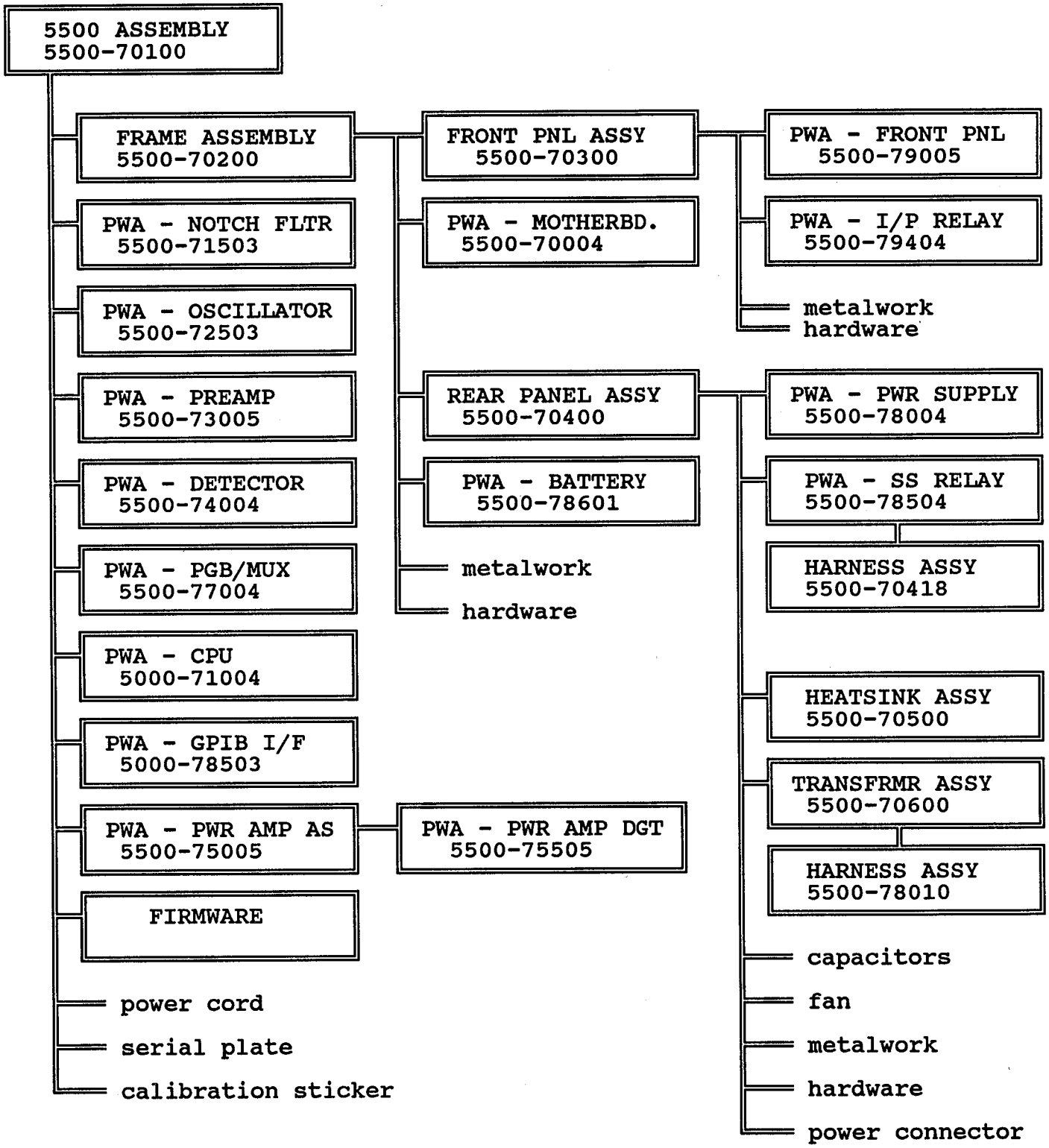
OWNER'S MANUAL

SECTION 7

PARTS LISTS

Issue 07 January 1989

DWG. 5500-10100 ISS.04 BASIC 5500 ASSEMBLY TREE 15 FEB 89



5500 ASSEMBLY 15500-70100

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	SERIAL PLATE	11000-40011			AMBER	11000-40011	1
	CALIBRATION STICKER	11000-40021			AMBER	11000-40021	1
	CPU PCB ASSY	5000-71004			AMBER	5000-71004	2
	FIRMWARE	5500-			AMBER	5500-	1
	FRAME ASSY	5500-70200			AMBER	5500-70200	1
	NOTCH FILTER PCB ASSY	5500-71503			AMBER	5500-71503	1
	OSCILLATOR PCB ASSY	5500-72503			AMBER	5500-72503	1
	PREAMP PCB ASSY	5500-73005			AMBER	5500-73005	1
	DETECTOR PCB ASSY	5500-74004			AMBER	5500-74004	1
	POWER AMP PCB ASSY	5500-75004			AMBER	5500-75004	1
	PGB/MUX PCB ASSY	5500-77004			AMBER	5500-77004	1
	GPIB I/F PCB ASSY	5500-78503			AMBER	5500-78503	1
	POWER CORD	589-05310			ALPHA	531	1

5500 FRAME ASSEMBLY 5500-70200

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	HARNESS FLAT CABLE	5500-30001	50PIN		AMBER	5500-30001	1
	TOP COVER	5500-62002			AMBER	5500-62002	1
	BOTTOM COVER	5500-62103			AMBER	5500-62103	1
	CARD CAGE	5500-63005			AMBER	5500-63005	1
	EXOR HOLD DOWN BRACKET	5500-63402			AMBER	5500-63402	1
	SHIELD PLATE	5500-63504			AMBER	5500-63504	12
	SIDE BRACKET	5500-65007			AMBER	5500-65007	2
	HANDLE CLIPS	5500-65501			AMBER	5500-65501	4
	DRESS STRIPS	5500-68002			AMBER	5500-68002	4
	MOTHERBOARD ASSY	5500-70004			AMBER	5500-70004	1
	FRONT PANEL ASSEMBLY	5500-70300			AMBER	5500-70300	1
	REAR PANEL ASSY	5500-70400			AMBER	5500-70400	1
	BATTERY PCB ASSEMBLY	5500-78601			AMBER	5500-78601	1
	MACHINE SCREW FLAT 6-32	61113-16025	1/4			AN507-632-R4	40
	MACHINE SCREW FLAT BLACK 6-32	61113-16031	5/16		VARIOUS	AN507-632-R5	32
	MACHINE SCREW PAN 6-32	61114-16037	3/8		VARIOUS	MS35206-228	37
	MACHINE SCREW PAN 6-32	61114-16050	1/2			MS35206-230	12
	MACHINE SCREW PAN 6-32	61114-16075	3/4			MS35206-232	2
	SCREW FLAT BLACK 10-32	61129-21600			SPAE NAUR	HX-216	4
	MACHINE SPEED NUT	61240-54000	6-32		EATON YALE	DC-1887-632-24	48
	WASHER FLAT #6	61510-16400			VARIOUS	AN 960-6	14
	WASHER INTERNAL TOOTH #6	61520-93660			VARIOUS	AN 936-A6	10
	SPACER	61699-10000			SPAE NAUR	SPA-22	4
	RUBBER BUMPER	65100-50180			3M	SJ5018/6227	5
	HANDLE	65200-78400	10"		PHC	7840	2
	CASE FEET REAR	65300-40801			BUCKEYE	MP 40008-01B	2
	CASE FOOT LEFT	65300-40802			BUCKEYE	MP 40008-01B	1
	CASE FOOT RIGHT	65300-40803			BUCKEYE	MP 40008-01B	1
	CASE TILT BAIL KIT	65300-40810	14"		BUCKEYE	MP 40008 10	1
	CARD GUIDES	67001-29011			VERO	2901126	36
	SCREW LUG	67101-34115	3/8		AMP	34115	6

5500 FRONT PANEL ASSEMBLY 15500-70300

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	HARNESS 403	15500-30403	9.5"		AMBER	15500-30403	1
	HARNESS 410	15500-30410	12.5"		AMBER	15500-30410	1
	HARNESS 412	15500-30412	11.5"		AMBER	15500-30412	1
	HARNESS 413	15500-30413	15.5"		AMBER	15500-30413	1
	FRONT PANEL UNDERLAY	15500-61005			AMBER	15500-61005	1
	OUTPUT CONNECTOR SHIELD	15500-61601			AMBER	15500-61601	1
	PCB SHIELD PLATE	15500-61901	5X9		AMBER	15500-61901	1
	FRONT PANEL OVERLAY	15500-69202			AMBER	15500-49003	1
	KEYBOARD/DISPLAY PCB ASSEMBLY	15500-79005			AMBER	15500-79005	1
	INPUT PCB ASSEMBLY	15500-79404			AMBER	15500-79404	1
	MACHINE SCREW PHIL PH 6-32	61111-16031	5/16		VARIOUS	MS35206-227	11
	MACHINE KNURLED DRESS NUT	61250-19700	BLACK		SWITCHCRAFT	P-1970	4
	WASHER BNC STEP	61500-56046			SEASTROM	5604-66	10
	WASHER NYLON	61502-56107			SEASTROM	5610-76-M30	4
	MACHINE WASHER IT	61520-36400	#6		VARIOUS	AN936-A4	11
	SCREW LUG	67101-34115	3/8		AMP	34115	8
	CONNECTOR, BANNANA JACK	740-28545	GREEN		ITT	2854-5	1
	CONNECTOR R-T-S CHASSIS	76103-11420			SWITCHCRAFT	M114B	2
	CONNECTOR BNC	77001-79106	GOLD		KINGS	KC79-106-MA9	6

KEYBOARD & DISPLAY PCB ASSEMBLY 15500-79005

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	PRINTED CIRCUIT BOARD	15500-49004			AMBER	5500-490-04	1
	KNOB CAP BROWN	63803-90114			LICON	803901140000	15
	KNOB CAP BEIGE	63803-90115			LICON	803901150000	15
	KNOB CAP OLIVE	63803-90116			LICON	803901160000	1
	KNOB CAP BROWN LED	63803-90117			LICON	803901170000	20
	CONNECTOR SOCKET 14PIN	71014-21439				214-AG39D	2
	CONNECTOR SOCKET 16PIN	71016-21639				216-AG39D	2
	CONNECTOR SOCKET 40PIN	71040-24039				240-AG39D	4
	CONNECTOR SOCKET 18PIN WW	71718-31800				18-8685-610C	7
	CONNECTOR HEADER 50P R ANG EJ	78003-20000			RN	IDH-50LP-SR3-TG	1
	CONNECTOR HEADER 4PIN LATCHING	78007-20410			MOLEX	22-29-2041	2
	SWITCH LIGHT PIPES	84211-22110			LICON	80-3901	20
C901	CAPACITOR MONOLYTIC	42031-41000	0.1				12
C902	CAPACITOR ELECT 100/25	48030-10000	100				1
C903	CAPACITOR MONOLYTIC	42031-41000	0.1				
C904	CAPACITOR MONOLYTIC	42031-41000	0.1				
C905	CAPACITOR MONOLYTIC	42031-41000	0.1				
C906	CAPACITOR MONOLYTIC	42031-41000	0.1				
C907	CAPACITOR MONOLYTIC	42031-41000	0.1				
C908	CAPACITOR MONOLYTIC	42031-41000	0.1				
C909	NOT USED						
C910	NOT USED						
C911	NOT USED						
C912	CAPACITOR CERAMIC DISC	41033-04700	47P				1
C913	CAPACITOR FILM	45042-32201	0.022	20%		MKS3 0.022/100/20W	1
C914	CAPACITOR MONOLYTIC	42031-41000	0.1				
C915	CAPACITOR MONOLYTIC	42031-41000	0.1				
C916	CAPACITOR MONOLYTIC	42031-41000	0.1				
C917	NOT USED						
C918	CAPACITOR FILM	45042-42200	0.22	5%	WIMA	MKS3 0.22 63 5	1
C919	CAPACITOR MONOLYTIC	42031-41000	0.1				
C920	CAPACITOR MONOLYTIC	42031-41000	0.1				
D901	SEMICON LED RECT RED	21531-57124			GI	MV57124	43
D902	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D903	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D904	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D905	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D906	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D907	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D908	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D909	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D910	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D911	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D912	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D913	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D914	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D915	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D916	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D917	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D918	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D919	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D920	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D921	NOT USED						

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
D922	NOT USED						
	CONNECTOR SOCKET 20PIN	71020-22039			AUGAT	220-AG39D	3
D923	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	18
D924	SEMICON LED RECT RED	21531-57124				MV57124	
D925	SEMICON LED RECT RED	21531-57124				MV57124	
D926	NOT USED						
D927	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D928	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D929	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D930	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D931	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D934	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D937	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D939	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D940	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D941	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D942	NOT USED						
D943	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D944	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D945	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D946	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D947	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D948	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D949	NOT USED						
D950	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D951	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D952	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D953	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D954	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D955	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D956	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D957	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D958	SEMICON LED SUPER BRIGHT	21541-39010			GI	ESBR3901	
D959	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D960	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D961	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D962	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D963	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	15
D964	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D965	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D966	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D967	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D968	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D969	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D970	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D971	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D972	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D973	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D974	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D975	NOT USED						
D976	NOT USED						
D977	NOT USED						
D978	NOT USED						

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
D979	NOT USED						
D980	NOT USED						
D981	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D982	NOT USED						
D983	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D985	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D986	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D987	SEMICON LED SUPER BRIGHT	21541-39010			STANLEY	ESBR3901	
D988	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D989	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D990	SEMICON LED SUPER BRIGHT GREEN	21541-39010			GI	ESBR3901	
D991	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D992	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D993	SEMICON LED RECT GREEN	21531-52124			GI	MV52124	
D994	NOT USED						
D995	SEMICON LED RECT RED	21531-57124			GI	MV57124	
R901	RESISTOR CF 1/4W	32033-10030	100K	5%			2
R902	RESISTOR CF 1/4W	32033-33010	3K3	5%			6
R903	RESISTOR CF 1/4W	32033-33010	3K3	5%			
R904	RESISTOR CF 1/4W	32033-33010	3K3	5%			
R905	RESISTOR CF 1/4W	32033-33010	3K3	5%			
R906	RESISTOR CF 1/4W	32033-33010	3K3	5%			
R907	RESISTOR CF 1/4W	32033-33010	3K3	5%			
R908	RESISTOR CF 1/4W	32033-47010	47K	5%			1
R909	RESISTOR CF 1/4W	32033-10030	100K	5%			
R910	RESISTOR CF 1/4W	32033-30000	300	5%			1
RN901	RESISTOR NET 8PIN SIP	39087-33010	3K3X7			4608X-101-332	2
RN902	RESISTOR NET 8PIN SIP	39087-33010	3K3X7			4608X-101-332	
S901	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	30
S902	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S903	NOT USED						
S904	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	16
S905	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S906	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S907	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S908	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S909	NOT USED						
S910	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S911	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S912	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S913	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S914	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S915	SWITCH PUSHBUTTON MAIN. W/LED	84111-23100			ITW	39-23100	1
S916	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S917	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S918	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S919	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S920	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S921	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S922	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S923	NOT USED						
S924	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S925	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
S926	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S927	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S928	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S929	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S930	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S931	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S932	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S933	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S934	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S935	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S936	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S937	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S938	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S939	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S940	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S941	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S942	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S943	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S944	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S945	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S946	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S947	SWITCH PUSHBUTTON MOM. W/LED	84111-22102			ITW	39-22100	
S948	NOT USED						
S949	NOT USED						
S950	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S951	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
S952	SWITCH PUSHBUTTON MOMENTARY	84111-22100			ITW	39-22500	
U901	SEMICON MEMORY BIPOLAR PROM	26022-27130			ADV MICRO DEV	AM27S13APC	1
U902	SEMICON DUAL 2/4 DECODER	27743-74139				74LS139	1
U903	SEMICON QUAD 2 IN NAND OC	27743-74003				74LS03	1
U904	SEMICON OCT DRIVER TRISTATE	27743-74244				74LS244	3
U905	SEMICON DUAL D TYPE FF	27743-74074				74LS74	1
U906	SEMICON OCT DRIVER TRISTATE	27743-74244				74LS244	
U907	SEMICON OCT DRIVER TRISTATE	27743-74244				74LS244	
U908	SEMICON KEYBOARD ENCODER	29004-96000			SMC	KR9600 PRO	1
U909	NOT USED						
U910	SEMICON 8 DIGIT LED DRIVER	29200-72181			INTERSIL	ICM 7218EIJL	3
U911	SEMICON 8 DIGIT LED DRIVER	29200-72181			INTERSIL	ICM 7218EIJL	
U912	SEMICON 8 DIGIT LED DRIVER	29200-72181			INTERSIL	ICM 7218EIJL	
U913	SEMICON LED DISPLAY	21551-66300				MAN6630G	2
U914	SEMICON LED DISPLAY	21551-66100				MAN6610G	4
U915	SEMICON LED DISPLAY	21551-66100				MAN6610G	
U916	SEMICON LED DISPLAY	21551-66300				MAN6630G	
U917	SEMICON LED DISPLAY	21551-66100				MAN6610G	
U918	SEMICON LED DISPLAY	21551-66100				MAN6610G	
U919	NOT USED						
U920	SEMICON	27742-74132				MC74HC132N	1
U921	SEMICON	27742-74074				SN74HC74N	1
U922	SEMICON POWER MOS FET	22318-10000				VN10KM	1

5500 INPUT ASSEMBLY 15500-79404

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	COAX, YEL		4"				1
	COAX, RED		4"				1
	SIDE INSULATOR	15500-			AMBER	15500-	1
	REAR SHIELD				AMBER	15500-	1
	HARNESS 401	15500-30401	11.5"		AMBER	15500-30401	1
	HARNESS 402	15500-30402	6.5"		AMBER	15500-30402	1
	HARNESS 404	15500-30404	6.0"		AMBER	15500-30404	1
	PRINTED CIRCUIT BOARD	15500-49404			AMBER	15500-49404	1
	INPUT CONNECTOR SHIELD	15500-69401			AMBER	15500-69401	1
	SEPARATOR SHIELD	15500-69501			AMBER	15500-69501	1
	CAPACITOR ELECTROLYTIC	48050-01000	10/40	20%	SIEMENS	85200/10/40	2
	CONNECTOR R-T-S CHASSIS	76103-11420			SWITCHCRAFT	M114B	2
	RELAY 2 FORM C	84801-18000	18V		ITT	RY-18-WK	2

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	PRINTED CIRCUIT BOARD	15500-40004			AMBER	5500-400-04	1
	SEMICON TRANSORB	29001-15680	6.8		GS	1.5KE6.8A	2
	MACHINE SCREW PHIL PH 4-40	61111-14050	1/2		VARIOUS	MS35206-217	26
	MACHINE SCREW PHIL PH 6-32	61113-16031	5/16		VARIOUS	AN507-632-R5	15
	MACHINE NUT HEX	61222-44000	#4		VARIOUS	MS35649-242	26
	MACHINE NUT PC-MOUNT	61260-63240	6-32		PEM	KFE-632-ET	15
	MACHINE LOCK WASHER IT	61520-36400	#4		VARIOUS	AN936-A4	26
	MACHINE LOCK WASHER IT	61520-93660	#6		VARIOUS	AN936-A6	15
J401	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	14
J402	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
J403	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
J404	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
J405	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
J406	NOT USED						
J407	NOT USED						
J408	NOT USED						
J409	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
J410	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
J411	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
J412	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
J413	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
J414	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
J415	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
J416	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
J417	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
J418	CONNECTOR HEADER LATCH	78007-20410	4 PIN		MOLEX	22-29-2041	
P1-01	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P1-02	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P1-03	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P1-04	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P1-05	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P1-06	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P1-07	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P1-08	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P1-09	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P1-10	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P1-11	NOT USED						
P1-12	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P1-13	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P2-01	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	25
P2-02	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P2-03	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P2-04	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P2-05	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P2-06	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P2-07	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P2-08	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P2-09	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P2-10	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P2-11	NOT USED						
P2-12	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P2-13	CONNECTOR CARD EDGE	71517-34250	50PIN		EDAC	342-050-524-202	
P3-01	CONNECTOR CARD EDGE	71517-34220	20PIN		EDAC	342-020-524-202	12

5500 MOTHER BOARD ASSEMBLY 15500-70004

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
P3-02	CONNECTOR CARD EDGE	71517-34220	20PIN		EDAC	342-020-524-202	
P3-03	CONNECTOR CARD EDGE	71517-34220	20PIN		EDAC	342-050-524-202	
P3-04	CONNECTOR CARD EDGE	71517-34220	20PIN		EDAC	342-050-524-202	
P3-05	CONNECTOR CARD EDGE	71517-34220	20PIN		EDAC	342-050-524-202	
P3-06	CONNECTOR CARD EDGE	71517-34220	20PIN		EDAC	342-050-524-202	
P3-07	CONNECTOR CARD EDGE	71517-34220	20PIN		EDAC	342-050-524-202	
P3-08	CONNECTOR CARD EDGE	71517-34220	20PIN		EDAC	342-050-524-202	
P3-09	CONNECTOR CARD EDGE	71517-34220	20PIN		EDAC	342-050-524-202	
P3-10	CONNECTOR CARD EDGE	71517-34220	20PIN		EDAC	342-050-524-202	
P3-11	NOT USED						
P3-12	CONNECTOR CARD EDGE	71517-34220	20PIN		EDAC	342-050-524-202	
P3-13	CONNECTOR CARD EDGE	71517-34220	20PIN		EDAC	342-050-524-202	
P4-14	CONNECTOR CARD EDGE	71517-86524	86PIN		EDAC	307-086-524-202	5
P4-15	CONNECTOR CARD EDGE	71517-86524	86PIN		EDAC	307-086-524-202	
P4-16	CONNECTOR CARD EDGE	71517-86524	86PIN		EDAC	307-086-524-202	
P4-17	CONNECTOR CARD EDGE	71517-86524	86PIN		EDAC	307-086-524-202	
P4-18	CONNECTOR CARD EDGE	71517-86524	86PIN		EDAC	307-086-524-202	

5500 REAR PANEL ASSEMBLY 15500-70400

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	HARNESS 7	15400-30007			AMBER	15400-30007	1
	HARNESS 11	15400-30011			AMBER	15400-30011	1
	HARNESS 409	15500-30409			AMBER	15500-30409	1
	HARNESS 411	15500-30411			AMBER	15500-30411	1
	HARNESS,DIODE BRIDGE	15500-38000			AMBER	15500-38000	
	HARNESS, FAN	15500-38010			AMBER	15500-38010	1
	POWER SUPPLY CHASSIS	15500-64006			AMBER	5500-640-03	1
	CAPACITOR BRACKET	15500-64102			AMBER	15500-64102	1
	REAR PANEL	15500-67002			AMBER	15500-67002	1
	PLATE 1.0X3.5	15500-67401			AMBER	15500-67401	2
	HEATSINK ASSY	15500-70500			AMBER	15500-70500	1
	TRANSFORMER ASSY	15500-70600			AMBER	15500-70600	1
	POWER SUPPLY PCB ASSY	15500-78004			AMBER	15500-78004	1
	SSR ASSY	15500-78504			AMBER	15500-78504	1
	SEMICON BRIDGE RECTIFIER	29006-98020			MOTOROLA	MDA980-2	2
	RESISTOR MF 1%	32035-66500	665	1%	CORNING	SMA4-665R-1	2
	STEP WASHER	61500-56046			SEASTROM	5604-66	6
	NYLON WASHER	61502-25170			SMITH	2517	6
	FAN GUARD	65500-18203			HOWARD	6-182-033UL	1
	FAN	65500-52470			HOWARD	3-15-2470	1
	CONNECTOR LUG	67100-32000			SPAE-NAUR	WT-32	7
	CONNECTOR LUG	67100-37000			SPAE NAUR	WT-37	5
	CONNECTOR LUG	67100-39000			SPAE-NAUR	WT-39	3
	TERMINAL LUG	67101-34115	3/8		AMP	34115	6
	PLUG (PLASTIC) BUTTON	67200-00000			SPAE NAUR	245-049	1
	CONNECTOR AC FILTER	71000-37000			SCHAFNER	FN370-4/22	1
	CONNECTOR BNC	77001-79106	GOLD		KINGS	KC79-106-MA9	6

5500 POWER SUPPLY PCB ASSEMBLY 15500-78004

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	HARNESS	15500-38011			AMBER	15500-38011	1
	HARNESS	15500-38012			AMBER	15500-38012	1
	HARNESS	15500-38014			AMBER	15500-38014	1
	PRINTED CIRCUIT BOARD	15500-48003			AMBER	15500-48003	1
	HEAT SINK PC MOUNTED	61800-60300			THERMALLOY	6030B	3
	CONNECTOR SOCKET PCB DIP 8PIN	71008-20839			AUGAT	208-AG39D	1
	CONNECTOR SOCKET PCB DIP 14PIN	71014-21439			AUGAT	214-AG39D	4
	CONNECTOR SOCKET PCB DIP 16PIN	71016-21639			AUGAT	216-AG39D	7
	CONNECTOR HEADER LATCH 4PIN	78007-20410			MOLEX	22-29-2041	5
	FUSE CLIP	85314-10206			LITTLEFUSE	1020710:102068	6
C8001	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8002	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8003	CAPACITOR ELECT 2200/25	48030-22010	2200	20%	SIEMENS	85200 2200 UF 25V	2
C8004	CAPACITOR ELECT 2200/25	48030-22010	2200	20%	SIEMENS	85200 2200 UF 25V	
C8005	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8006	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8007	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8008	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8009	CAPACITOR FILM	45042-44701	0.47	20%	WIMA	MKS3 0.47/63/20W	5
C8010	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8011	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8013	CAPACITOR FILM	45042-44701	0.47	20%	WIMA	MKS3 0.47/63/20W	
C8014	CAPACITOR FILM	45042-24700	4700P	5%	WIMA	FKC3 4700/160/5W	
C8015	CAPACITOR FILM	45042-24700	4700P	5%	WIMA	FKC3 4700/160/5W	
C8016	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8017	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	21
C8018	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8019	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8020	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8021	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8022	CAPACITOR TANTALUM 4.7/25V	47031-04790	4.7	20%	WIMA		2
C8023	CAPACITOR TANTALUM 4.7/25V	47031-04790	4.7	20%			
C8024	CAPACITOR FILM	45042-31002	0.01	20%	WIMA	MKS3 0.01/100/20W	2
C8025	CAPACITOR FILM	45042-31002	0.01	20%	WIMA	MKS3 0.01/100/20W	
C8026	CAPACITOR FILM	45041-31000	0.01	20%	WIMA	MKS3 0.01/100/20W	1
C8027	CAPACITOR CERAMIC DISC	41033-31000	0.01	20%		TCD-103Z	
C8028	CAPACITOR FILM	45042-42200	0.22		WIMA		
C8029	CAPACITOR FILM	45042-42200	0.22		WIMA		
C8030	CAPACITOR CERAMIC DISC	41033-31000	0.01	20%		TCD-103Z	7
C8031	CAPACITOR FILM	45042-24700	4700P	5%	WIMA	FKC3 4700/160/5W	3
C8032	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8033	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	16
C8034	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8035	CAPACITOR ELECT 1000/40 RADIAL	48050-10010	1000	20%	SIEMENS	85200/1000/40	1
C8036	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8037	CAPACITOR FILM	45042-44701	0.47	20%	WIMA	MKS3 0.47/63/20W	
C8038	CAPACITOR FILM	45042-22200	2200P	5%	WIMA	FKC3 2200/160/5W	1
C8039	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8040	CAPACITOR ELECT 470/16	48020-47000	470	20%	SIEMENS	81000/470/16	1
C8041	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8042	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C8043	CAPACITOR FILM	45042-21001	1000P	5%	WIMA	FKC3/1000/160/5W	
C8044	CAPACITOR FILM	45042-21001	1000P	5%	WIMA	FKC3/1000/160/5W	2

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
C8045	CAPACITOR FILM	45042-44701	0.47	20%	WIMA	MKS3 0.47/63/20W	
C8046	CAPACITOR FILM	45042-44701	0.47	20%	WIMA	MKS3 0.47/63/20W	
C8047	CAPACITOR ELECT 100/25	48030-10000	100	20%	SIEMENS	85200/100/25	2
C8048	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8049	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8050	CAPACITOR ELECT 100/25	48030-10000	100	20%	SIEMENS	85200/100/25	
C8051	CAPACITOR FILM	45042-42200	0.22		WIMA		3
C8052	CAPACITOR ELECT 65000/25	48080-00000	65000		MALLORY	CGS653U025W4C	1
C8053	CAPACITOR ELECT 40000/40	48080-40000	40000		MALLORY	CGS403U040W4C	2
C8054	CAPACITOR ELECT 40000/40	48080-00001	40000		MALLORY	CGS403U040W4C	
C8055	CAPACITOR ELECT 4200/75	48080-42000	4200		MALLORY	CGS422U075R4C	2
C8056	CAPACITOR ELECT 4200/75	48080-00004	4200		MALLORY	CGS422U075R4C	
C8057	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8058	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8059	CAPACITOR ELECT 220/40	48050-22000	220	20%	SIEMENS	81000 220UF 40V	2
C8060	CAPACITOR ELECT 220/40	48050-22000	220	20%	SIEMENS	81000 220UF 40V	
C8061	CAPACITOR CERAMIC DISC	41033-24700	4700P				2
C8062	CAPACITOR CERAMIC DISC	41033-24700	4700P				
C8063	CAPACITOR CERAMIC DISC	41033-31000	0.01	20%		TCD-103Z	
C8064	CAPACITOR CERAMIC DISC	41033-31000	0.01	20%		TCD-103Z	
C8065	CAPACITOR CERAMIC DISC	41033-31000	0.01	20%		TCD-103Z	
C8066	CAPACITOR FILM	45042-34701	0.047	10%	WIMA	MKS3 0.047/100/10W	1
C8067	CAPACITOR CERAMIC DISC	41033-31000	0.01	20%		TCD-103Z	
C8068	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8069	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8070	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8071	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8072	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8073	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8074	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8075	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8076	CAPACITOR CERAMIC DISC	41033-31000	0.01	20%		TCD-103Z	
C8077	CAPACITOR MONOLYTIC	41031-41000	0.1	20%	AVX	SR205E104MAA	
C8078	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8079	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C8081	CAPACITOR MONOLITHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
CL8001	JUMPER						
CL8002	JUMPER						
CL8003	JUMPER						6
CL8004	JUMPER						
D8001	SEMICON FULL WAVE BRIDGE RECT	29006-06000			GI	KBL06	2
D8002	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D8003	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D8004	SEMICON DIODE GEN PURPOSE	21136-41500				1N4150TR	
D8005	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	8
D8006	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D8007	SEMICON ZENER DIODE	21207-53520				1N5352B	
D8008	SEMICON ZENER DIODE	21207-53520				1N5352B	
D8009	SEMICON FULL WAVE BRIDGE RECT	29006-06000			GI	KBL06	
D8010	SEMICON ZENER DIODE	21207-53520				1N5352B	4
D8011	SEMICON DIODE GEN PURPOSE	21136-41500				1N4150TR	
D8012	SEMICON ZENER DIODE	21207-53520				1N5352B	
D8013	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
D8014	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D8015	SEMICON ZENER DIODE	21207-07511				1N751A	1
D8016	SEMICON DIODE GEN PURPOSE	21136-41500				1N4150TR	
D8017	SEMICON DIODE GEN PURPOSE	21136-41500				1N4150TR	
D8018	NOT USED						
D8019	SEMICON DIODE ZENER	21207-07501	4.7V			1N750A	1
D8020	SEMICON RECTIFIER	21135-54040				1N5404	
D8021	SEMICON RECTIFIER	21135-54040				1N5404	
D8022	SEMICON RECTIFIER	21135-54040				1N5404	
D8023	SEMICON RECTIFIER	21135-54040				1N5404	4
D8024	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D8025	SEMICON DIODE GEN PURPOSE	21136-41500				1N4150TR	5
D8026	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D8027	SEMICON LED RECT RED	21531-57124			GI	MV57124	7
D8028	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D8029	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D8030	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D8031	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D8032	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D8033	SEMICON LED RECT RED	21531-57124			GI	MV57124	
D8034	SEMICON TRANSORB	29001-15390	39V			1.5KE39A	2
D8035	SEMICON TRANSORB	29001-15390	39V			1.5KE39A	
F8001	FUSE 1/2 AMP FAST	85313-00500	1/2A			312.500	2
F8002	FUSE 1/2 AMP FAST	85313-05000	1/2A			312.500	
F8003	FUSE 10A FAST	85313-00010	10A			312-010	1
J8001	CONNECTOR HEADER	78011-95055	5 PIN		MOLEX	09-18-5055	1
J8006	CONNECTOR HEADER	78011-95058	5 PIN		MOLEX	09-18-5058	1
J8008	CONNECTOR HEADER	78011-95051	5 PIN		MOLEX	09-18-5051	1
Q8001	SEMICON NEG REGULATOR 12V	25922-79120	12V		MOTOROLA	79L12AWC	1
Q8002	SEMICON POS REGULATOR 12V	25922-78120	12V			78L12	1
Q8003	SEMICON TRANSISTOR PNP GP	22622-44030				2N4403	4
Q8004	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q8005	SEMICON TRANSISTOR PNP PWR	22622-03200			TI	TIP32A	1
Q8006	SEMICON SCR TRANSISTOR	22622-11260				TIC-126B	3
Q8007	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	8
Q8008	SEMICON TRANSISTOR NPN	22622-31000				TIP31A	1
Q8009	SEMICON SCR TRANSISTOR	22622-11260				TIC-126B	
Q8010	SEMICON TRANSISTOR PNP	22622-50870				2N5087	1
Q8011	SEMICON TRANSISTOR	22622-52100				2N5210	1
Q8013	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q8014	SEMICON TRANSISTOR PNP GP	22622-44030				2N4403	
Q8016	SEMICON VMOS POWER FET	23401-06060			SILICONIX	VN0606M	4
Q8017	SEMICON TRANSISTOR PNP GP	22622-44030				2N4403	
Q8018	SEMICON VMOS POWER FET	23401-06060			SILICONIX	VN0606M	
Q8019	SEMICON FET N CHANNEL	22392-09200			SILICONIX	J111	2
Q8020	SEMICON FET N CHANNEL	22392-09200			SILICONIX	J111	
Q8021	SEMICON TRANSISTOR PNP GP	22622-44030				2N4403	
Q8022	SEMICON SHUNT REGULATOR	25922-43100			TEXAS INSTRUM	TL431CLP	1
Q8023	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q8024	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q8025	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q8026	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q8027	SEMICON ADJ REGULATOR	25922-31700				LM317T	1

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
Q8028	SEMICON SCR TRANSISTOR	22622-11260				TIC-126B	
Q8030	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q8033	SEMICON VMOS POWER FET	22401-06060			SILICONIX	VN0606M	
Q8034	SEMICON VMOS POWER FET	23401-06060			SILICONIX	VN0606M	
R8001	RESISTOR CF 1/2W	32052-00220	2.2	5%		22037-02290	2
R8002	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8003	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	15
R8004	RESISTOR CF 1/2W	32052-00220	2.2	5%		22037-02290	
R8005	RESISTOR CF 1/4W	32033-62000	620	5%	ALLEN BRADLEY	CB 5	
R8006	RESISTOR CF 1/4W	32033-62000	620	5%	ALLEN BRADLEY	CB 5	7
R8007	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	10
R8008	RESISTOR CF 1/4W	32033-01000	10	5%	ALLEN BRADLEY	CB 5	4
R8009	RESISTOR CF 1/4W	32033-01000	10	5%	ALLEN BRADLEY	CB 5	
R8010	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R8011	RESISTOR MF 1/4W	32035-34810	3K48	1%	CORNING	SMA4- -1	1
R8012	RESISTOR MF 1/4W	32035-49900	499	1%	CORNING	SMA4- -1	7
R8013	RESISTOR MF 1/4W	32035-49900	499	1%	CORNING	SMA4- -1	
R8014	RESISTOR MF 1/4W	32035-24910	2K49	1%	CORNING	SMA4- -1	1
R8015	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB 5	5
R8016	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8017	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8018	RESISTOR CF 1/4W	32033-30020	30K	5%	ALLEN BRADLEY	CB 5	2
R8019	RESISTOR CF 1/4W	32033-30020	30K	5%	ALLEN BRADLEY	CB 5	
R8020	RESISTOR CF 1/4W	32033-30000	300	5%	ALLEN BRADLEY	CB 5	
R8021	RESISTOR CF 1/4W	32033-08200	82	5%	ALLEN BRADLEY	CB 5	2
R8022	RESISTOR CF 1/4W	32033-08200	82	5%	ALLEN BRADLEY	CB 5	
R8023	RESISTOR CF 1/4W	32033-30000	300	5%	ALLEN BRADLEY	CB 5	
R8024	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8025	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8026	RESISTOR 1/2W	32062-00220	2.2	5%			2
R8027	RESISTOR 1/2W	32062-00220	2.2	5%			
R8028	RESISTOR CF 1/4W	32033-62000	620	5%	ALLEN BRADLEY	CB 5	
R8029	RESISTOR CF 1/4W	32033-01000	10	5%	ALLEN BRADLEY	CB 5	
R8030	RESISTOR CF 1/4W	32033-01000	10	5%	ALLEN BRADLEY	CB 5	
R8031	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R8032	RESISTOR CF 1/4W	32033-10040	1M0	5%	ALLEN BRADLEY	CB 5	
R8033	RESISTOR CF 1/4W	32033-10040	1M0	5%	ALLEN BRADLEY	CB 5	
R8034	RESISTOR CF 1/4W	32033-62000	620	5%	ALLEN BRADLEY	CB 5	
R8035	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8036	RESISTOR CF 1/4W	32033-33020	33K	5%	ALLEN BRADLEY	CB 5	1
R8037	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R8038	RESISTOR MF 1/4W	32035-49900	499	1%	CORNING	SMA4- -1	
R8039	RESISTOR MF 1/4W	32035-49900	499	1%	CORNING	SMA4- -1	
R8040	RESISTOR MF 1/4W	32035-11320	11K3	1%	CORNING	SMA4- -1	1
R8041	RESISTOR MF 1/4W	32035-82510	8K25	1%	CORNING	SMA4- -1	1
R8042	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB 5	
R8043	RESISTOR CF 1/4W	32033-22010	2K2	5%	ALLEN BRADLEY	CB 5	2
R8044	RESISTOR CF 1/4W	32033-10040	1M0	5%	ALLEN BRADLEY	CB 5	
R8045	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8046	RESISTOR CF 1/4W	32033-10040	1M0	5%	ALLEN BRADLEY	CB 5	6
R8047	RESISTOR CF 1/4W	32033-22040	2M2	5%	ALLEN BRADLEY	CB 5	
R8048	RESISTOR MF 1/4W	32035-18720	18K7	1%	CORNING	SMA4- -1	1
R8049	RESISTOR MF 1/4W	32035-16220	16K2	1%	CORNING	SMA4- -1	1

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
R8050	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB 5	
R8051	RESISTOR CF 1/4W	32033-10040	1M0	5%	ALLEN BRADLEY	CB 5	
R8052	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB 5	
R8053	RESISTOR CF 1/4W	32033-22010	2K2	5%	ALLEN BRADLEY	CB 5	
R8054	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4- -1	2
R8055	RESISTOR CF 1/4W	32033-15020	15K	5%	ALLEN BRADLEY	CB 5	1
R8056	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8057	RESISTOR CF 1/4W	32033-10030	100K	5%	ALLEN BRADLEY	CB 5	
R8058	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R8059	RESISTOR CF 1/4W	32033-22040	2M2	5%	ALLEN BRADLEY	CB 5	2
R8060	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8061	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R8062	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8063	RESISTOR CF 1/4W	32033-10030	100K	5%	ALLEN BRADLEY	CB 5	2
R8064	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8065	RESISTOR CF 1/4W	32033-68010	6K8	5%	ALLEN BRADLEY	CB 5	
R8066	RESISTOR MF 1/4W	32035-33210	3K32	1%	CORNING	SMA4- -1	1
R8067	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8068	RESISTOR CF 1/4W	32033-47000	470	5%	ALLEN BRADLEY	CB 5	1
R8069	JUMPER						
R8070	RESISTOR CF 1/4W	32033-27000	270	5%	ALLEN BRADLEY	CB 5	1
R8072	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8073	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R8074	RESISTOR MF 1/4W	32035-26700	267	1%	CORNING	SMA4- -1	1
R8075	RESISTOR MF 1/4W	32035-12100	121	1%	CORNING	SMA4- -1	1
R8076	RESISTOR MF 1/4W	32035-49900	499	1%	CORNING	SMA4- -1	
R8077	RESISTOR MF 1/4W	32035-12110	1K21	1%	CORNING	SMA4- -1	1
R8078	RESISTOR CF 1/4W	32033-12020	12K	5%	ALLEN BRADLEY	CB 5	1
R8079	RESISTOR 1W	34062-01500	15	5%			1
R8080	RESISTOR CF 1/4W	32033-62000	620	5%	ALLEN BRADLEY	CB 5	
R8081	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R8082	RESISTOR CF 1/4W	32033-05100	51	5%	ALLEN BRADLEY	CB 5	
R8083	RESISTOR CF 1/4W	32033-22000	220	5%	ALLEN BRADLEY	CB 5	1
R8084	RESISTOR 3W	34073-01080	0.1	3%			3
R8085	RESISTOR 3W	34073-01080	0.1	3%			
R8086	RESISTOR MF 1/4W	32035-42210	4K22	1%	CORNING	SMA4- -1	1
R8087	RESISTOR MF 1/4W	32035-49900	499	1%	CORNING	SMA4- -1	
R8088	RESISTOR MF 1/4W	32035-49900	499	1%	CORNING	SMA4- -1	
R8089	RESISTOR MF 1/4W	32035-59010	5K90	1%	CORNING	SMA4- -1	1
R8090	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R8091	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB 5	
R8092	RESISTOR CF 1/4W	32033-62000	620	5%	ALLEN BRADLEY	CB 5	
R8093	RESISTOR CF 1/4W	32033-62000	620	5%	ALLEN BRADLEY	CB 5	
R8094	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R8095	RESISTOR 1/2W	32052-01000	10	5%			2
R8096	RESISTOR 1/2W	32052-01000	10	5%			
R8097	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R8098	RESISTOR CF 1/4W	32033-05100	51	5%	ALLEN BRADLEY	CB 5	5
R8099	RESISTOR CF 1/4W	32033-05100	51	5%	ALLEN BRADLEY	CB 5	
R8100	RESISTOR CF 1/4W	32033-05100	51		ALLEN BRADLEY	CB 5	
R8101	RESISTOR CF 1/4W	32033-05100	51	5%	ALLEN BRADLEY	CB 5	
R8102	RESISTOR 3W	34073-01080	0.1	3%			
R8103	JUMPER						

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
R8104	RESISTOR CF 1/4W	32033-20010	2K	5%	ALLEN BRADLEY	CB 5	2
R8105	RESISTOR CF 1/4W	32033-20010	2K	5%	ALLEN BRADLEY	CB 5	
R8106	RESISTOR CF 1/4W	32033-68010	6K8	5%	ALLEN BRADLEY	CB 5	2
R8107	RESISTOR CF 1/4W	32033-33010	3K3	5%	ALLEN BRADLEY	CB 5	3
R8108	RESISTOR CF 1/4W	32033-33010	3K3	5%	ALLEN BRADLEY	CB 5	
R8109	RESISTOR CF 1/4W	32033-51000	510	5%	ALLEN BRADLEY	CB 5	1
R8110	NOT USED	32033-10040	1M0	5%	ALLEN BRADLEY	CB 5	
R8111	RESISTOR CF 1/4W	32033-06800	68	5%	ALLEN BRADLEY	CB 5	2
R8112	RESISTOR CF 1/4W	32033-30000	300	5%	ALLEN BRADLEY	CB 5	4
R8113	RESISTOR CF 1/4W	32033-06800	68	5%	ALLEN BRADLEY	CB 5	
R8114	RESISTOR CF 1/4W	32033-30000	300	5%	ALLEN BRADLEY	CB 5	
R8115	RESISTOR CF 1/4W	32033-10040	1M0	5%	ALLEN BRADLEY	CB 5	
R8116	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4- -1	
R8117	RESISTOR CF 1/4W	32033-33010	3K3	5%	ALLEN BRADLEY	CB 5	
RN8001	RESISTOR NET 8PIN 4RES SIP	39085-10020	10K			4608X-102-103	2
RN8002	RESISTOR NET 8PIN 4RES SIP	39085-10020	10K			4608X-102-103	
RN8003	RESISTOR NET 8PIN 4RES SIP	39085-47010	4K7			4308X-102-472	1
U8001	SEMICON VOLTAGE REGULATOR	25922-38340			UNITRODE	UC3834N	7
U8002	SEMICON VOLTAGE REGULATOR	25922-38340			UNITRODE	UC3834N	
U8003	SEMICON VOLTAGE REGULATOR	25922-38340			UNITRODE	UC3834N	
U8004	SEMICON VOLTAGE REGULATOR	25922-38340			UNITRODE	UC3834N	
U8005	SEMICON COMPARATOR	25308-33900				LM339J	
U8006	SEMICON COMPARATOR	25308-33900				LM339J	
U8007	SEMICON COMPARATOR	25308-33900				LM339J	3
U8008	SEMICON OPTO COUPLER	21634-43500				4N35	3
U8009	SEMICON OPTO COUPLER	21634-43500				4N35	
U8010	SEMICON OPTO COUPLER	21634-43500				4N35	
U8011	SEMICON VOLTAGE REGULATOR	25922-38340			UNITRODE	UC3834N	
U8012	SEMICON VOLTAGE REGULATOR	25922-38340			UNITRODE	UC3834N	
U8013	SEMICON VOLTAGE REGULATOR	25922-38340			UNITRODE	UC3834N	
VR8001	RESISTOR TRIM CONTROL ST TA	51416-10000	100		BOURNS	3386P-1-101	1
VR8002	RESISTOR TRIM CONTROL ST TA	51416-20200	2K		BEK	3386P-1-202	1
VR8003	RESISTOR TRIM CONTROL ST TA	51416-10010	1K		VRN INT	3386P-1-102	1

SOLID STATE RELAY ASSEMBLY 5500-78504

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	EPOXY						1
	RESISTOR CF 1/2W	32052-04700	47	5%	ALLEN BRADLEY		1
	CAPACITOR FILM AC LINE	45042-34700			WIMA	MP-3	1
	HARNESS	5500-38010			AMBER	5500-38010	1
	PRINTED CIRCUIT BOARD	5500-48504			AMBER	5500-48504	1
	PLASTIC HOUSING PHENOLIC	66000-00001			PMC	R-1-802	1
	CONNECTOR HOUSING	78010-39252			MOLEX	03-09-2052	1
	CONNECTOR PINS MALE PCB	78012-92133			MOLEX	02-09-2133	4
	RELAY,SOLID STATE	84801-64502			TELEDYNE	645-2	1

5500 HEATSINK ASSEMBLY 15500-70500

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	MACHINE SCREW 6-32 PH		5/8				10
	MACHINE NUT 6-32						8
	INTERNAL LOCK WASHER #6						18
	FLAT WASHER #6						8
	TUBING, CLEAR						
	MACHINE SCREW 6-32 PH		1/4				8
	HARNESS	15500-38013			AMBER	15500-38013	1
	HEATSINK A	15500-64602	641K		AMBER	15500-64602	1
	HEATSINK B	15500-64702	641K		AMBER	15500-64702	1
	HEAT SINK	15500-64802			AMBER	15500-64802	1
	HEAT SINK BRACKET	15500-64904			AMBER	15500-64904	1
	MACHINE SCREW 4-40	61111-14070	5/8		BANCROFT	AN507-440-R10	5
	MACHINE NUT 4-40	61222-44000			BANCROFT	MS35649-242	5
	WASHER INTERNAL TOOTH #4	61520-36400			BANCROFT	AN936-A4	5
	MICA WASHER TO-3	61530-43032			THERMALLOY	43-03-2	5
	TRANSISTOR SOCKETS	71001-80800	TO-3		ACTIVE	8080-1G1	5
Q8012	SEMICON TRANSISTOR PNP	22622-58790			MOTOROLA	2N5879	3
Q8015	SEMICON TRANSISTOR NPN	22622-58810			MOTOROLA	2N5881	2
Q8029	SEMICON TRANSISTOR PNP	22622-58790			MOTOROLA	2N5879	
Q8031	SEMICON TRANSISTOR PNP	22622-58790			MOTOROLA	2N5879	
Q8032	SEMICON TRANSISTOR NPN	22622-58810			MOTOROLA	2N5881	

5500 TRANSFORMER ASSEMBLY 15500-70600

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	TRANSFORMER BRACKET	15500-67101			AMBER	15500-67101	1
	TRANSFORMER	53608-31740			TOROID	3174	1
	TRANSFORMER BRACKET ROUND	53700-30771			TOROID	3077	1
	TRANSFORMER INSULATOR	53700-30772			TOROID	3077	2
	HEX NUT #14	61500-					1
	HEX BOLT 5/16-18	61500-00000	2.75IN		SPAE-NAUR	HC-34	1
	LOCK NUT 5/16-18	61500-00001			SPAE-NAUR	165-162	1
	FLAT TERMINAL LUG	67100-24000			SPAE NAUR	WT-24	1
	CONNECTOR LUG	67100-39000			SPAE-NAUR	WT-39	1
	CONNECTOR LUG	67100-42000			SPAE NAUR	WT-42	2
	CONNECTOR CRIMP TERMINAL	78009-61103	.062		MOLEX	02-06-1103	8
	CRIMP TERMINAL, FEM.	78009-91103	.093		MOLEX	02-09-1103	2
	CONNECTOR HOUSING FEM 4PIN	78010-61041	4PIN		MOLEX	03-06-1041	2

BATTERY PACK ASSEMBLY 5000-78601

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	RESISTOR CF 1/4W (FUSE)	32033-18000	180	5%	ALLEN BRADLEY	CB1815	1
	PRINTED CIRCUIT BOARD	5000-48601			AMBER	5000-48601	1
	HARNESS 8007	5500-38007			AMBER	5500-38007	1
	BATTERY NICAD	59500-15200	1.2V		MALORY	AA NC-15	3
	BATTERY HOLDER	59501-22280	AA		KEYSTONE	2228	3

LOW DISTORTION NOTCH PCB ASSEMBLY 5500-71503

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	PRINTED CIRCUIT BOARD	5500-41503			AMBER	5500-41503	1
	PROMAG BRACKET	5500-60104	1a		AMBER	5500-60104	1
	MACHINE SCREW FH 4-40	61111-14031	5/16		BANCROFT	AN507-440-R5	2
	MACHINE SCREW FH 6-32	61113-16025	1/4		BANCROFT	AN507-632-R4	3
	MACHINE NUT HEX	61222-44000	4-40		BANCROFT	MS35649-242	2
	MACHINE NUT PC MOUNT	61260-63200	6-32		PEM	KF2-632-ET	3
	MACHINE FLAT WASHER	61510-14300	#4		BANCROFT	AN 960-4	2
	MACHINE LOCK WASHER	61520-36400	#4		BANCROFT	AN936-A4	2
	INSULATOR STEP WASHER	61540-77210	TO-220		THERMALLOY	7721-7PPS	2
	INSULATOR MICA SHEET	61600-43779	TO-220		THERMALLOY	43-77-9	2
	EJECTOR LATCH	65299-20810	BROWN		SCANBE	S208-1	2
	CONNECTOR, SOCKET DIL	71008-20839	8 PIN		AUGAT	208-AG39D	11
	CONNECTOR, SOCKET DIL	71014-21439	14PIN		AUGAT	214-AG39D	2
	CONNECTOR, SOCKET DIL	71016-21639	16PIN		AUGAT	216-AG39D	19
	CONNECTOR, SOCKET DIL	71018-21839	18PIN		AUGAT	218-AG39D	4
	CONNECTOR, SOCKET DIL	71020-22039	20PIN		AUGAT	220-AG39D	4
C1001	CAPACITOR CERAMIC DISC	41033-31000	0.01	20%	MURATA/ERIE		1
C1002	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1003	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1004	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1005	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1006	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1007	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1008	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1009	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1010	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1011	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1012	CAPACITOR ELECTROLYTHIC	48050-02200	22/40	20%	SIEMENS	85200/22/40V	1
C1013	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1014	CAPACITOR ELECTROLYTHIC	48050-01000	10/40	20%	SIEMENS	85200/10/40	10
C1015	CAPACITOR ELECTROLYTHIC	48050-01000	10/40	20%	SIEMENS	85200/10/40	
C1016	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1017	CAPACITOR ELECTROLYTHIC	48050-01000	10/40	20%	SIEMENS	85200/10/40	
C1018	CAPACITOR ELECTROLYTHIC	48050-01000	10/40	20%	SIEMENS	85200/10/40	
C1019	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1020	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1021	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1022	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1023	CAPACITOR FILM	45042-42202	0.22	20%	WIMA	MKS3 0.22/63/20W	
C1024	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1025	CAPACITOR FILM	45042-22202	2200P	20%	WIMA	FKC3 2200/160/5W	3
C1026	CAPACITOR FILM	45042-32201	0.022	20%	WIMA	MKS3 0.022/100/20W	
C1027	CAPACITOR FILM	45042-32201	0.022	20%	WIMA	MKS3 0.022/100/20W	3
C1028	CAPACITOR FILM	45042-42202	0.22	20%	WIMA	MKS3 0.22/63/20W	3
C1029	CAPACITOR FILM	45042-22202	2200P	20%	WIMA	FKC3 2200/160/5W	
C1030	CAPACITOR FILM	45042-32201	0.022	20%	WIMA	MKS3 0.022/100/20W	
C1031	CAPACITOR FILM	45042-42202	0.22	20%	WIMA	MKS3 0.22/63/20W	
C1032	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1033	CAPACITOR FILM	45042-22202	2200P	20%	WIMA	FKC3 2200/160/20W	
C1034	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C1035	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1036	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1037	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
C1038	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	57
C1039	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1040	CAPACITOR FILM	45042-51002	1.0	10%	WIMA	MKS3 1.0/63/10W	2
C1041	CAPACITOR FILM	45042-51002	1.0	10%	WIMA	MKS3 1.0/63/10W	
C1042	CAPACITOR FILM	45042-12201	220P	20%	WIMA	FKC3 220/160/20W	
C1043	CAPACITOR FILM	45042-12201	220P	20%	WIMA	FKC3 220/160/20W	3
C1044	CAPACITOR FILM	45042-12201	220P	20%	WIMA	FKC3 220/160/20W	
C1045	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1046	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1047	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1048	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1049	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1050	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1051	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C1052	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1053	CAPACITOR ELECTROLYTHIC	48050-01000	10/40	20%	SIEMENS	85200/10/40	
C1054	CAPACITOR ELECTROLYTHIC	48050-01000	10/40	20%	SIEMENS	85200/10/40	
C1055	CAPACITOR CERAMIC DISC	41033-04700	47P	20%	MURATA/ERIE	DD05B10N750470J500V	2
C1056	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C1057	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C1058	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1059	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1060	CAPACITOR FILM	45042-00000	*	SEL	WIMA	MATCH W/C1061=0.230	1
C1061	CAPACITOR FILM	45042-42200	0.220	SEL	WIMA	MKS3 0.22/63/5W	4
C1062	CAPACITOR FILM	45042-00000	*	SEL	WIMA	MATCH W/C1063=0.0230	1
C1063	CAPACITOR FILM	45042-32200	0.0220	SEL	WIMA	MKS3 0.022/100/5W	4
C1064	CAPACITOR NPO	41535-22200	2000P	1%	VITRAMON	VP12BA202FB	4
C1065	CAPACITOR NPO	41535-12200	220P	1%	VITRAMON	VP32BA221FB	
C1066	CAPACITOR FILM	45042-00000	*	SEL	WIMA	MATCH W/C1067=0.230	1
C1067	CAPACITOR FILM	45042-42200	0.220	SEL	WIMA	MKS3 0.22/63/5W	
C1068	CAPACITOR FILM	45042-00000	*	SEL	WIMA	MATCH W/C1069=0.0230	1
C1069	CAPACITOR FILM	45042-32200	0.0220	SEL	WIMA	MKS3 0.022/100/5W	
C1070	CAPACITOR NPO	41535-22000	2000P	1%	VITRAMON	VP12BA202FB	
C1071	CAPACITOR NPO	41535-12200	220P	1%	VITRAMON	VP32BA221FB	
C1072	CAPACITOR FILM	45042-00000	*	SEL	WIMA	MATCH W/C1073=0.230	1
C1073	CAPACITOR FILM	45042-42200	0.220	SEL	WIMA	MKS3 0.22/63/5W	
C1074	CAPACITOR FILM	45042-00000	*	SEL	WIMA	MATCH W/C1075=0.0230	1
C1075	CAPACITOR FILM	45042-32200	0.0220	SEL	WIMA	MKS3 0.022/100/5W	
C1076	CAPACITOR NPO	41535-22000	2000P	1%	VITRAMON	VP12BA202FB	
C1077	CAPACITOR NPO	41535-12200	220P	1%	VITRAMON	VP32BA221FB	4
C1078	CAPACITOR FILM	45042-00000	*	SEL	WIMA	MATCH W/C1079=0.230	1
C1079	CAPACITOR FILM	45042-42200	0.220	SEL	WIMA	MKS3 0.22/63/5W	
C1080	CAPACITOR FILM	45042-00000	*	SEL	WIMA	MATCH W/C1081=0.0230	1
C1081	CAPACITOR FILM	45042-32200	0.0220	SEL	WIMA	MKS3 0.022/100/5W	
C1082	CAPACITOR NPO	41535-22000	2000P	1%	VITRAMON	VP12BA202FB	
C1083	CAPACITOR NPO	41535-12200	220P	1%	VITRAMON	VP32BA221FB	
C1084	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1085	CAPACITOR CERAMIC DISC	41033-10000	100P	20%	MURATA/ERIE	DD08B10N750101500V	
C1086	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C1087	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1088	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1089	CAPACITOR CERAMIC DISC	41033-02200	22P	20%	MURATA/ERIE	DD05B10N750220J500V	
C1090	CAPACITOR ELECTROLYTHIC	48050-01000	10/40	20%	SIEMENS	85200/10/40	

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DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
C1091	CAPACITOR ELECTROLYTHIC	48050-01000	10/40	20%	SIEMENS	85200/10/40	
C1092	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1093	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1094	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1095	CAPACITOR CERAMIC DISC	41033-11000	100P	20%	MURATA/ERIE	DD08B10N750101500V	
C1096	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1097	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C1098	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1099	CAPACITOR CERAMIC DISC	41033-02200	22P	20%	MURATA/ERIE	DD05B10N750220J500V	4
C1100	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1101	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C1102	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1103	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1104	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1105	CAPACITOR CERAMIC DISC	41033-11000	100P	20%	MURATA/ERIE	DD08B10N750101500V	
C1106	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1107	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C1108	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1109	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1110	CAPACITOR CERAMIC DISC	41033-02200	22P	20%	MURATA/ERIE	DD05B10N750220J500V	
C1111	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1112	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	11
C1113	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1114	CAPACITOR CERAMIC DISC	41033-04700	47P	20%	MURATA/ERIE	DD05B10N750470J500V	
C1115	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1116	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1117	CAPACITOR CERAMIC DISC	41033-11000	100P	20%	MURATA/ERIE	DD08B10N750101500V	4
C1118	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1119	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C1120	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1121	CAPACITOR ELECTROLYTHIC	48050-01000	10/40	20%	SIEMENS	85200/10/40	
C1122	CAPACITOR ELECTROLYTHIC	48050-01000	10/40	20%	SIEMENS	85200/10/40	
C1123	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1124	CAPACITOR CERAMIC DISC	41033-02200	22P	20%	MURATA/ERIE	DD05B10N750220J500V	
C1125	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1126	CAPACITOR CERAMIC DISC	41033-06800	68P	20%	MURATA/ERIE	DD07B10N750680J500V	1
C1127	CAPACITOR, TRIM CONTROL TA	49000-53801	7-25P		MURATA/ERIE	DV11PS25B	1
C1128	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1129	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1130	CAPACITOR CERAMIC DISC	41033-01000	10P	20%	MURATA/ERIE	10PF100V:DC1-100J	
D1001	SEMICON DIODE ZENER 1W	21207-47480	22V		MOTOROLA	1N4748ATR	1
D1002	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D1003	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D1004	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D1005	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	4
D1006	SEMICON DIODE ZENER	21207-07521			MOTOROLA	1N752A	
D1007	SEMICON DIODE ZENER	21207-07521			MOTOROLA	1N752A	2
D1008	SEMICON DIODE GP	21136-41500			MOTOROLA	1N4150TR	2
D1009	SEMICON DIODE GP	21136-41500			MOTOROLA	1N4150TR	
D1010	SEMICON DIODE ZENER	21207-07461	3.3V		MOTOROLA	1N746A	1
K1001	RELAY, REED DUAL FORM A	84801-26531	12V		COTO	2653-12-300	
K1002	RELAY, REED DUAL FORM A	84801-26531	12V		COTO	2653-12-300	

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
K1003	RELAY, REED DUAL FORM A	84801-26531	12V		COTO	2653-12-300	
K1004	RELAY, REED DUAL FORM A	84801-26531	12V		COTO	2653-12-300	
K1005	RELAY, REED DUAL FORM A	84801-26531	12V		COTO	2653-12-300	
K1006	RELAY, REED DUAL FORM A	84801-26531	12V		COTO	2653-12-300	
K1007	RELAY, REED DUAL FORM A	84801-26531	12V		COTO	2653-12-300	8
K1008	RELAY, REED DUAL FORM A	84801-26531	12V		COTO	2653-12-300	
Q1001	SEMICON REGULATOR POSITIVE	25922-78152	15V		MOTOROLA	78M15UC	1
Q1002	SEMICON REGULATOR NEGATIVE	25922-79152	15V		MOTOROLA	79M15UC	1
Q1003	NOT USED						
Q1004	SEMICON N-CH DMOS FET	22318-21500			SILICONIX	2SD215DE	2
Q1005	SEMICON N-CH DMOS FET	22318-21500			SILICONIX	2SD215DE	
Q1006	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	1
Q1007	NOT USED						
Q1008	SEMICON LED/LDR	21511-85000			CLAIREX	CLM8500	
Q1009	SEMICON LED/LDR	21511-85000			CLAIREX	CLM8500	
Q1010	SEMICON LED/LDR	21511-85000			CLAIREX	CLM8500	3
R1001	RESISTOR CF 1/4W	32033-33010	3K3	5%	A BRADLEY	CB3325	
R1002	RESISTOR CF 1/4W	32033-33010	3K3	5%	A BRADLEY	CB3325	
R1003	RESISTOR CF 1/4W	32033-10020	10K	5%	A BRADLEY	CB1035	
R1004	RESISTOR CF 1/4W	32033-20010	2K	5%	A BRADLEY	CB2025	2
R1005	RESISTOR MF 1/4W	32035-20020	20K0	1%	CORNING	SMA4-20K-1	
R1006	RESISTOR CF 1/4W	32033-10000	100	5%	A BRADLEY	CB1015	5
R1007	RESISTOR CF 1/4W	32033-10020	10K	5%	A BRADLEY	CB1035	
R1008	RESISTOR CF 1/4W	32033-10020	10K	5%	A BRADLEY	CB1035	
R1009	RESISTOR MF 1/4W	32035-20020	20K0	1%	CORNING	SMA4-20K-1	2
R1010	RESISTOR MF 1/4W	32035-46410	4K64	1%	CORNING	SMA4-4.64K-1	1
R1011	RESISTOR MF 1/4W	32035-68120	68K1	1%	CORNING	SMA4-68.1K-1	1
R1012	RESISTOR CF 1/4W	32033-10000	100	5%	A BRADLEY	CB1015	
R1013	RESISTOR CF 1/4W	32033-10010	1K	5%	A BRADLEY	CB1025	3
R1014	RESISTOR CF 1/4W	32033-22010	2K2	5%	A BRADLEY	CB2225	1
R1015	RESISTOR MF 1/4W	32035-49910	4K99	1%	CORNING	SMA4-4.99K-1	1
R1016	RESISTOR MF 1/4W	32035-15820	15K8	1%	CORNING	SMA4-15.8K-1	1
R1017	RESISTOR CF 1/4W	32033-75000	750	5%	A BRADLEY	CB7515	1
R1018	RESISTOR MF 1/4W	32035-75010	7K50	1%	CORNING	SMA4-7.5K-1	2
R1019	RESISTOR CF 1/4W	32033-10000	100	5%	A BRADLEY	CB1015	
R1020	RESISTOR CF 1/4W	32033-10000	100	5%	A BRADLEY	CB1015	
R1021	RESISTOR CF 1/4W	32033-10030	100K	5%	A BRADLEY	CB1045	2
R1022	RESISTOR CF 1/4W	32033-02200	22	5%	A BRADLEY	CB2205	
R1023	RESISTOR CF 1/4W	32033-10020	10K	5%	A BRADLEY	CB1035	
R1024	RESISTOR CF 1/4W	32033-33000	330	5%	A BRADLEY	CB3315	1
R1025	RESISTOR CF 1/4W	32033-10020	10K	5%	A BRADLEY	CB1035	10
R1026	RESISTOR CF 1/4W	32033-10010	1K	5%	A BRADLEY	CB1025	
R1027	RESISTOR CF 1/4W	32033-22040	2M2	5%	A BRADLEY	CB2255	2
R1028	RESISTOR CF 1/4W	32033-22040	2M2	5%	A BRADLEY	CB2255	
R1029	RESISTOR CF 1/4W	32033-10030	100K	5%	A BRADLEY	CB1045	
R1030	RESISTOR CF 1/4W	32033-02200	22	5%	A BRADLEY	CB2205	2
R1031	RESISTOR CF 1/4W	32033-10020	10K	5%	A BRADLEY	CB1035	
R1032	RESISTOR CF 1/4W	32033-10040	1M	5%	A BRADLEY	CB1055	2
R1033	RESISTOR CF 1/4W	32033-10040	1M	5%	A BRADLEY	CB1055	
R1034	RESISTOR CF 1/4W	32033-10020	10K	5%	A BRADLEY	CB1035	
R1035	RESISTOR CF 1/4W	32033-10020	10K	5%	A BRADLEY	CB1035	
R1036	RESISTOR MF 1/4W	32035-13020	13K0	1%	CORNING	SMA4-13K-1	
R1037	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	

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DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
R1038	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1039	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1040	RESISTOR MF 1/4W	32035-10030	100K0	1%	CORNING	SMA4-100K-1	1
R1041	RESISTOR MF 1/4W	32035-49920	49K9	1%	CORNING	SMA4-49.9K-1	1
R1042	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1043	RESISTOR MF 1/4W	32035-10010	1K0	1%	CORNING	SMA4-1K-1	2
R1044	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1045	RESISTOR MF 1/4W	32035-13020	13K0	1%	CORNING	SMA4-13K-1	
R1046	RESISTOR MF 1/4W	32035-10010	1K0	1%	CORNING	SMA4-1K-1	
R1047	JUMPER						2
R1048	JUMPER						
R1049	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1050	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1051	RESISTOR MF 1/4W	32035-13020	13K0	1%	CORNING	SMA4-13K-1	
R1052	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1053	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1054	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1055	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1056	RESISTOR CF 1/4W	32033-82000	820	5%	A BRADLEY	CB8215	2
R1057	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1058	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1059	RESISTOR MF 1/4W	32035-13020	13K0	1%	CORNING	SMA4-13K-1	7
R1060	RESISTOR CF 1/4W	32033-20010	2K	5%	A BRADLEY	CB2025	
R1061	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1062	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1063	RESISTOR MF 1/4W	32035-13020	13K0	1%	CORNING	SMA4-13K-1	
R1064	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1065	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1066	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1067	RESISTOR MF 1/4W	32035-13020	13K0	1%	CORNING	SMA4-13K-1	
R1068	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1069	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1070	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	25
R1071	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1072	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1073	RESISTOR MF 1/4W	32035-75010	7K50	1%	CORNING	SMA4-7.5K-1	
R1074	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1075	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R1076	RESISTOR CF 1/4W	32033-82000	820	5%	A BRADLEY	CB8215	
R1077	RESISTOR MF 1/4W	32035-12420	12K4	1%	CORNING	SMA4-12.4K-1	1
R1078	RESISTOR MF 1/4W	32035-13020	13K0	1%	CORNING	SMA4-13K-1	
R1079	RESISTOR CF 1/4W	32033-10020	10K	5%	A BRADLEY	CB1035	
R1080	RESISTOR CF 1/4W	32033-10020	10K	5%	A BRADLEY	CB1035	
R1081	RESISTOR CF 1/4W	32033-10050	10M	5%	A BRADLEY	CB1065	1
R1082	RESISTOR CF 1/4W	32033-33010	3k3	5%	A BRADLEY	CB3325	
R1083	RESISTOR CF 1/4W	32033-33010	3K3	5%	A BRADLEY	CB3325	
R1084	RESISTOR CF 1/4W	32033-33010	3k3	5%	A BRADLEY	CB3325	5
R1085	RESISTOR CF 1/4W	32033-10010	1K	5%	A BRADLEY	CB1025	
R1086	RESISTOR CF 1/4W	32033-10000	100	5%	A BRADLEY	CB1015	
RN1001	RESISTOR NET 8 PIN 7 RES SIP	39087-33010	3K3X7	5%	BOURNS	4608R-101-332	
RN1002	RESISTOR NET 8 PIN 7 RES SIP	39087-33010	3K3x7	5%	BOURNS	4608R-101-332	2
RN1003	RESISTOR NET 16 PIN 15 RES DIP	38167-10020	10Kx15	5%	BOURNS	4116R-002-103	1
U1001	SEMICON DRIVER	29200-20030			MOTOROLA	ULN2003AN	1

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
U1002	SEMICON LSTTL HEX D FF	27743-74174			MOTOROLA	SN74LS174N	3
U1003	SEMICON LSTTL HEX INVERTER	27743-74004			MOTOROLA	74LS04PC	1
U1004	SEMICON CMOS SWITCH QUAD ANALOG	24021-21100			SILICONIX	DG211CJ	
U1005	SEMICON LSTTL HEX D FF	27743-74174			MOTOROLA	SN74LS174N	
U1006	SEMICON LSTTL OCTAL D TYP FLFL	27743-74273			MOTOROLA	SN74LS273N	
U1007	SEMICON LSTTL OCTAL D TYP FLFL	27743-74273			MOTOROLA	SN74LS273N	2
U1008	SEMICON LSTTL OCTAL BUS TRANS	27743-74245			MOTOROLA	SN74LS245N	1
U1009	SEMICON LSTTL 4 BIT MAG COMP	27743-74085			MOTOROLA	SN74LS85N	2
U1010	SEMICON LSTTL 3 TO 8 DECODER	27743-74138			MOTOROLA	SN74LS138N	2
U1011	SEMICON LSTTL QUAD 2-IN NAND	27743-74008			MOTOROLA	SN74LS08N	1
U1012	SEMICON BIPOLAR EPROM	26022-27130			AMD	AMD27S13APC	1
U1013	SEMICON CMOS SWITCH QUAD ANALOG	24021-21100			SILICONIX	DG211CJ	4
U1014	SEMICON CMOS SWITCH QUAD ANALOG	24021-21100			SILICONIX	DG211CJ	
U1015	SEMICON LSTTL 3 TO 8 DECODER	27743-74138			MOTOROLA	SN74LS138N	
U1016	SEMICON DUAL OP AMP LO NOISE	25311-55320			SIGNETICS	NE5532AN	
U1017	SEMICON OP AMP LO-OFFSET FET	25312-41200			NATIONAL	LF412N	2
U1018	SEMICON OP AMP LO-OFFSET FET	25312-41200			NATIONAL	LF412N	
U1019	SEMICON CMOS CONV DUA 8BIT DAC	25000-75280			ANALOG DEVICES	AD7528JN	1
U1020	SEMICON LINEAR DUAL OTA	25430-32800			RCA	CA3280	1
U1021	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U1022	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U1023	SEMICON CMOS 12 BIT DAC	25000-75410			ANALOG DEVICES	AD7541AJN	
U1024	SEMICON AUDIO OP AMP	25211-33200			ANALOG SYSTEMS	MA332CP	
U1025	SEMICON AUDIO OP AMP	25211-33200			ANALOG SYSTEMS	MA332CP	
U1026	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	10
U1027	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U1028	SEMICON CMOS 12 BIT DAC	25000-75410			ANALOG DEVICES	AD7541AJN	
U1029	SEMICON AUDIO OP AMP	25211-33200			ANALOG SYSTEMS	MA332CP	
U1030	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U1031	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U1032	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U1033	SEMICON CMOS 12 BIT DAC	25000-75410			ANALOG DEVICES	AD7541AJN	4
U1034	SEMICON AUDIO OP AMP	25211-33200			ANALOG SYSTEMS	MA332CP	
U1035	SEMICON AUDIO OP AMP	25211-33200			ANALOG SYSTEMS	MA332CP	
U1036	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U1037	SEMICON AUDIO OP AMP	25211-33200			ANALOG SYSTEMS	MA332CP	7
U1038	SEMICON CMOS 12 BIT DAC	25000-75410			ANALOG DEVICES	AD7541AJN	
U1039	SEMICON AUDIO OP AMP	25211-33200			ANALOG SYSTEMS	MA332CP	
U1040	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U1041	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U1042	SEMICON CMOS SWITCH QUAD ANALOG	24021-21100			SILICONIX	DG211CJ	
U1043	SEMICON LSTTL HEX D FF	27743-74174			MOTOROLA	SN74LS174N	
U1044	SEMICON LSTTL 4 BIT MAG COMP	27743-74085			MOTOROLA	SN74LS85N	
U1045	SEMICON DUAL OP AMP LO NOISE	25311-55320			SIGNETICS	NE5532AN	2
VR1001	RESISTOR TRIM CONTROL ST SA	51415-50020	50K		BOURNS	3386W-1-503	2
VR1002	RESISTOR TRIM CONTROL ST SA	51415-50020	50K		BOURNS	3386W-1-503	
VR1003	RESISTOR TRIM CONTROL MT SA	51515-10010	1K		BOURNS	3299X-1-102	1

LOW DISTORTION OSCILLATOR PCB ASSEMBLY 5500-72503

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	PRINTED CIRCUIT BOARD	5500-42503			AMBER	5500-42503	1
	PROMAG BRACKET	5500-60204	2a		AMBER	5500-60204	1
	MACHINE SCREW FH 4-40	61111-14031	5/16		BANCROFT	AN507-440-R5	2
	MACHINE SCREW FH 6-32	61113-16025	1/4		SPAE NAUR	AN507-632R4	3
	MACHINE NUT - HEX	61222-44000	4-40		BANCROFT	MS35649-242	2
	MACHINE NUT PC MOUNT	61260-63200	6-32		PEM	KF2-632-ET	3
	MACHINE FLAT WASHER	61510-14300	#4		BANCROFT	AN 960-4	2
	MACHINE LOCK WASHER #4	61520-36400	#4		BANCROFT	AN936-A4	2
	INSULATOR STEP WASHER	61540-77210	TO-220		THERMALLOY	7721-7PPS	2
	INSULATOR MICA SHEET	61600-43779	TO-220		THERMALLOY	43-77-9	2
	PCB EJECTORS	65299-20810	RED		SCANBE	S208-1	2
	CONNECTOR SOCKET PCB DIL	71008-20839	8 PIN		AUGAT	208-AG39D	12
	CONNECTOR SOCKET PCB DIL	71014-21439	14 PIN		AUGAT	214-AG39D	2
	CONNECTOR SOCKET PCB DIL	71016-21639	16 PIN		AUGAT	216-AG39D	9
	CONNECTOR SOCKET PCB DIL	71018-21839	18 PIN		AUGAT	218-AG39D	2
	CONNECTOR SOCKET PCB DIL	71020-22039	20 PIN		AUGAT	220-AG39D	4
C2001	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%		SR205E104MAA	46
C2002	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2003	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2004	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2005	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2006	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2007	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2008	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2009	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2010	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2011	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2012	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2013	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2014	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2015	CAPACITOR CERAMIC DISC	41033-31000	0.01	20%	M/E		1
C2016	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2017	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	17
C2018	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2019	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2020	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2021	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2022	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2023	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2024	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2025	CAPACITOR CERAMIC DISC	41033-03300	33P	20%	MURATA/ERIE		1
C2026	CAPACITOR FILM	45042-41002	0.1	20%	WIMA	MKS3 0.1/100/20W	4
C2027	CAPACITOR FILM	45042-41002	0.1	20%	WIMA	MKS3 0.1/100/20W	
C2028	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2029	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2030	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2031	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2032	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2033	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2034	CAPACITOR FILM	45042-42200	0.22	20%	WIMA	MKS3 0.22/100/20W	1
C2035	CAPACITOR FILM	45042-24700	4700P	5%	WIMA	FKC3 4700/160/5W	1
C2036	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2037	CAPACITOR ELECT 100/25	48030-10000	100	20%		25V100:NRE100M25V	2

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
C2038	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2039	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2040	CAPACITOR FILM	45042-41002	0.1	20%	WIMA	MKS3 0.1/100/20W	
C2041	CAPACITOR CERAMIC DISC	41033-12200	220P	20%	MURATA/ERIE		1
C2042	CAPACITOR ELECT 100/25	48030-10000	100	20%	SIEMENS	25V100:NRE100M25V	
C2043	CAPACITOR CERAMIC DISC	41033-03000	30P	20%	MURATA/ERIE		1
C2044	CAPACITOR CERAMIC DISC	41033-00330	3P3	20%	MURATA/ERIE		2
C2045	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2046	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	9
C2047	CAPACITOR CERAMIC DISC	41033-01000	10P	20%	MURATA/ERIE		
C2048	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2049	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2050	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2051	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2052	CAPACITOR FILM	45042-41002	0.1	20%	WIMA	MKS3 0.1/100/20W	
C2053	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2054	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2055	CAPACITOR FILM	45042-00000	*	SEL	WIMA	match w/C2056=0.230	1
C2056	CAPACITOR FILM	45042-42200	0.22	SEL	WIMA		2
C2057	CAPACITOR FILM	45042-00000	*	SEL	WIMA	match w/C2058=0.0230	1
C2058	CAPACITOR FILM	45042-32200	0.022	SEL	WIMA		2
C2059	CAPACITOR NPO	41535-22200	2000P	1%	VITRAMON		2
C2060	CAPACITOR NPO	41535-12200	220P	1%	VITRAMON	VP32BA221FB	2
C2061	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2062	CAPACITOR CERAMIC DISC	41033-11000	100P	20%	MURATA/ERIE		2
C2063	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2064	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2065	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2066	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C2067	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2068	CAPACITOR CERAMIC DISC	41033-02200	22P	20%	MURATA/ERIE		2
C2069	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C2070	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2071	CAPACITOR FILM	45042-00000	*	SEL	WIMA	match w/C2072=0.230	1
C2072	CAPACITOR FILM	45042-42200	0.22	SEL	WIMA		
C2073	CAPACITOR FILM	45042-00000	*	SEL	WIMA	match w/C2074=0.0230	
C2074	CAPACITOR FILM	45042-32200	0.022	SEL	WIMA		
C2075	CAPACITOR NPO	41535-22200	2000P	1%	VITRAMON		
C2076	CAPACITOR NPO	41535-12200	220P	1%	VITRAMON	VP32BA221FB	
C2077	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2078	CAPACITOR CERAMIC DISC	41033-11000	100P	20%	MURATA/ERIE		
C2079	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2080	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2081	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2082	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C2083	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2084	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2085	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2086	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2087	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2088	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%	SIEMENS	85200 10/40	
C2089	CAPACITOR CERAMIC DISC	41033-01000	10P	5%		DD05B10N750100J500V	
C2090	CAPACITOR CERAMIC DISC	41033-01000	10P	5%		DD05B10N750100J500V	

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DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
C2091	CAPACITOR CERAMIC DISC	41033-00330	3P3	20%	MURATA/ERIE		
C2092	CAPACITOR ELECT 22/40 RADIAL	48050-02200	22	20%		85200/22/40V	1
C2093	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C2094	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C2095	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2096	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2097	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2098	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2099	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%			
C2100	CAPACITOR ELECT 10/40 RADIAL	48050-01000	10	20%			
C2101	CAPACITOR CERAMIC DISC	41033-02200	22P	20%			
C2103	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2104	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C2105	CAPACITOR TRIM CONTROL TA	49000-53801	7-25		MURATA	DV11PS25B	1
D2001	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	4
D2002	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D2003	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D2004	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D2005	SEMICON DIODE ZENER 1W	21207-47480	22V		MOTOROLA	1N4748ATR	1
D2006	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	6
D2007	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D2008	SEMICON DIODE SHOTTKY	21107-62630			MOTOROLA	1N6263TR	1
D2009	SEMICON DIODE ZENER	21207-07461	3.3V		MOTOROLA	1N746A	
D2010	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D2011	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D2012	SEMICON DIODE ZENER	21207-07531	6.2V		MOTOROLA	1N753ATR	2
D2013	SEMICON DIODE ZENER	21207-07531	6.2V		MOTOROLA	1N753ATR	
D2014	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D2015	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D2016	SEMICON DIODE ZENER	21207-07461	3.3V		MOTOROLA	1N746A	3
D2019	SEMICON DIODE ZENER	21207-07461	3.3V	5%	MOTOROLA	1N746A	
K2001	RELAY, 2C 18V	84801-18000	18V		ITT	RY-18-WK	1
K2002	RELAY, REED 2A	84801-26531	12V		COTO	2653-12-300	5
K2003	RELAY, REED 1A	84801-26041	12V		COTO	2604-12-300	2
K2004	RELAY, REED 2A	84801-26531	12V		COTO	2653-12-300	
K2005	RELAY, REED 2A	84801-26531	12V		COTO	2653-12-300	
K2006	RELAY, REED 2A	84801-26531	12V		COTO	2653-12-300	
K2007	RELAY, REED 2A	84801-26531	12V		COTO	2653-12-300	
K2008	RELAY, REED 1A	84801-26041	12V		COTO	2604-12-300	
Q2001	SEMICON POSITIVE REGULATOR	25922-78151	15V		MOTOROLA	78M15AUC	1
Q2002	SEMICON NEGATIVE REGULATOR	25922-79152	15V		MOTOROLA	79M15AUC	1
Q2003	SEMICON TRANSISTOR PNP GP	22192-44030			MOTOROLA	2N4403	1
Q2004	SEMICON SHUNT REGULATOR	25922-43100			MOTOROLA	TL431CLP	1
Q2005	SEMICON FET N CHANNEL	22392-48610			MOTOROLA	2N4861A	1
Q2006	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	3
Q2007	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q2008	NOT USED						
Q2009	SEMICON TRANSISTOR PNP GP	22522-44010			MOTOROLA	2N4401	
Q2010	SEMICON POWER MOS FET	23401-06060			SILICONIX	VN0606M	1
R2001	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	8
R2002	RESISTOR CF 1/4W	32033-10040	1M	5%	ALLEN BRADLEY	CB1055	4
R2003	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	4
R2004	RESISTOR CF 1/4W	32033-10030	100K	5%	ALLEN BRADLEY	CB1045	3

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
R2005	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	15
R2006	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R2007	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R2008	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R2009	RESISTOR CF 1/4W	32033-10040	1M	5%	ALLEN BRADLEY	CB1055	
R2010	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R2011	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R2012	RESISTOR CF 1/4W	32033-20010	2K	5%	ALLEN BRADLEY		3
R2013	RESISTOR CF 1/4W	32033-20010	2K	5%	ALLEN BRADLEY		
R2014	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	3
R2015	RESISTOR CF 1/4W	32033-10000	100	5%	ALLEN BRADLEY	CB1015	
R2016	RESISTOR CF 1/4W	32033-27010	2K7	5%	ALLEN BRADLEY		1
R2017	RESISTOR CF 1/4W	32033-10030	100K	5%	ALLEN BRADLEY	CB1045	
R2018	RESISTOR CF 1/4W	32033-20010	2K	5%	ALLEN BRADLEY		
R2019	RESISTOR CF 1/4W	32033-30010	3K	5%	ALLEN BRADLEY		1
R2020	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R2021	RESISTOR CF 1/4W	32033-39010	3K9	5%	ALLEN BRADLEY		1
R2022	RESISTOR CF 1/4W	32033-86010	8K6	5%	ALLEN BRADLEY		1
R2023	RESISTOR CF 1/4W	32033-22010	2K2	5%	ALLEN BRADLEY	CB2225	
R2024	RESISTOR MF 1/4W	32035-13020	13K0	1%	CORNING	SMA4-13K-1	
R2025	RESISTOR CF 1/4W	32033-56020	56K	5%	ALLEN BRADLEY		1
R2026	RESISTOR CF 1/4W	32033-56010	5K6	5%	ALLEN BRADLEY	CB5625	
R2027	RESISTOR CF 1/4W	32033-22010	2K2	5%	ALLEN BRADLEY	CB2225	
R2028	RESISTOR CF 1/4W	32033-68010	6K8	5%	ALLEN BRADLEY		1
R2029	RESISTOR MF 1/4W	32035-60410	6K04	1%	CORNING		1
R2030	JUMPER						1
R2031	RESISTOR CF 1/4W	32033-06200	62	5%	ALLEN BRADLEY		1
R2032	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY		2
R2033	RESISTOR CF 1/4W	32033-56010	5K6	5%	ALLEN BRADLEY	CB5625	5
R2034	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY		
R2035	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R2036	RESISTOR CF 1/4W	32033-22010	2K2	5%	ALLEN BRADLEY	CB2225	
R2037	RESISTOR CF 1/4W	32033-10040	1M	5%	ALLEN BRADLEY	CB1055	
R2038	RESISTOR CF 1/4W	32033-22020	22K	5%	ALLEN BRADLEY		2
R2039	RESISTOR CF 1/4W	32033-15040	1M5	5%	ALLEN BRADLEY		2
R2040	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R2041	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R2042	RESISTOR CF 1/4W	32033-02400	24	5%	ALLEN BRADLEY		2
R2043	RESISTOR CF 1/4W	32033-33010	3K3	5%	ALLEN BRADLEY	CB3325	1
R2044	RESISTOR MF 1/4W	32035-68110	6K81	1%	CORNING		2
R2045	RESISTOR CF 1/4W	32033-13010	1K3	5%	ALLEN BRADLEY		1
R2046	RESISTOR CF 1/4W	32033-11010	1K1	5%	ALLEN BRADLEY		1
R2047	RESISTOR MF 1/4W	32035-68110	6K81	1%	CORNING		
R2048	RESISTOR CF 1/4W	32033-56010	5K6	5%	ALLEN BRADLEY	CB5625	
R2049	RESISTOR CF 1/4W	32033-22020	22K	5%	ALLEN BRADLEY		
R2050	RESISTOR CF 1/4W	32033-10040	1M	5%	ALLEN BRADLEY	CB1055	
R2051	RESISTOR CF 1/4W	32033-56010	5K6	5%	ALLEN BRADLEY	CB5625	
R2052	RESISTOR CF 1/4W	32033-10000	100	5%	ALLEN BRADLEY	CB1015	
R2053	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R2054	RESISTOR CF 1/4W	32033-10000	100	5%	ALLEN BRADLEY	CB1015	
R2055	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R2056	RESISTOR CF 1/4W	32033-22010	2K2	5%	ALLEN BRADLEY	CB2225	5
R2057	RESISTOR CF 1/4W	32033-15040	1M5	5%	ALLEN BRADLEY		

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DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
R2058	RESISTOR CF 1/4W	32033-02400	24	5%	ALLEN BRADLEY		
R2059	RESISTOR MF 1/4W	32035-13020	13K0	1%	CORNING	SMA4-13K-1	5
R2060	RESISTOR CF 1/4W	32033-01000	10	5%	ALLEN BRADLEY		2
R2061	RESISTOR CF 1/4W	32033-01000	10	5%	ALLEN BRADLEY		
R2062	RESISTOR MF 1/4W	32035-11520	11K5	1%	CORNING		1
R2063	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R2064	RESISTOR MF 1/4W	32035-10010	1K0	1%	CORNING		1
R2065	RESISTOR MF 1/4W	32035-75010	7K50	1%	CORNING		1
R2066	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R2067	RESISTOR MF 1/4W	32035-12420	12K4	1%	CORNING		1
R2068	RESISTOR CF 1/4W	32033-39030	390K	5%	ALLEN BRADLEY		1
R2069	RESISTOR CF 1/4W	32033-10030	100K	5%	ALLEN BRADLEY	CB1045	
R2070	RESISTOR MF 1/4W	32035-13020	13K0	1%	CORNING	SMA4-13K-1	
R2071	RESISTOR CF 1/4W	32033-56010	5K6	5%	ALLEN BRADLEY	CB5625	
R2072	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R2073	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R2074	NOT USED						
R2075	NOT USED						
R2076	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R2077	RESISTOR MF 1/4W	32035-24930	249K	1%	CORNING		1
R2078	RESISTOR MF 1/4W	32035-13020	13K0	1%	CORNING	SMA4-13K-1	
R2079	NOT USED						
R2080	RESISTOR MF 1/4W	32035-13020	13K0	1%	CORNING	SMA4-13K-1	
R2081	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R2082	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R2083	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R2084	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R2085	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R2086	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING		
R2087	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING		
RN2001	RESISTOR NET 8PIN 7 RES SIP	39087-33010	3K3X7		BOURNS	4608R-101-332	2
RN2002	RESISTOR NET 8PIN 7 RES SIP	39087-33010	3K3X7		BOURNS	4608R-101-332	
RN2003	RESISTOR NET 16PIN 15 RES DIP	38167-10020	10KX15		BOURNS	4116R-002-103	1
U2001	SEMICON OP AMP BI-FET DUAL	25111-07200				TL-072CP	2
U2002	SEMICON CMOS CONV DUA 8BIT DAC	25000-75280			ANALOG DEVICES	AD7528JN	1
U2003	SEMICON	27743-74008				74LS08	1
U2004	SEMICON LSTTL OCTAL D TYP FLFL	27743-74273				SN74LS273N	2
U2005	SEMICON	27743-74245				74LS245	1
U2006	SEMICON LSTTL HEX INVERTER	27743-74004				74LS04	1
U2007	SEMICON LSTTL HEX D FF	27743-74174				74LS174	
U2008	SEMICON LSTTL 4BIT MAG COMP	27743-74085				SN74LS85N	1
U2009	SEMICON LSTTL HEX D FF	27743-74174				74LS174	2
U2010	SEMICON LSTTL OCTAL D TYP FLFL	27743-74273				SN74LS273N	
U2011	SEMICON LSTTL 3 TO 8 DECODER	27743-74138				SN74LS138N	1
U2012	SEMICON BI-FET OP AMP	25111-07100				TL-071CP	2
U2013	SEMICON OP AMP LO NOISE	25311-55320			SIGNETICS	NE5532AN	1
U2014	SEMICON LIN COMPARATOR	25308-31100				LM311P	2
U2015	SEMICON DRIVER	29200-20030				ULN2003AN	1
U2016	SEMICON CMOS HEX INVERTER	24021-40490				4049BPC	1
U2017	SEMICON BI-FET OP AMP	25111-07100				TL-071CP	
U2018	SEMICON OP AMP LO-OFFSET FET	25312-41200				LF412N	1
U2019	SEMICON LINEAR DUAL OTA	25430-32800			RCA	CA3280	1
U2020	SEMICON LIN COMPARATOR	25308-31100				LM311P	

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DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
U2021	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	9
U2022	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U2023	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U2024	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U2025	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U2026	SEMICON CMOS 12 BIT DAC	25000-75410			ANALOG DEVICES	AD7541AJN	2
U2027	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U2028	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U2029	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U2030	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U2031	SEMICON CMOS 12 BIT DAC	25000-75410			ANALOG DEVICES	AD7541AJN	
U2032	SEMICON OP AMP BI-FET DUAL	25111-07200				TL-072CP	
VR2001	RESISTOR TRIM CONTROL ST SA	51415-50020	50K		BOURNS	3386W-1-503	5
VR2002	RESISTOR TRIM CONTROL MT SA	51515-10010	1K		BOURNS	3299X-1-102	3
VR2003	RESISTOR TRIM CONTROL MT SA	51515-10010	1K		BOURNS	3299X-1-102	
VR2004	RESISTOR TRIM CONTROL ST SA	51415-50020	50K		BOURNS	3386W-1-503	
VR2005	RESISTOR TRIM CONTROL ST SA	51415-50020	50K		BOURNS	3386W-1-503	
VR2006	RESISTOR TRIM CONTROL ST SA	51415-50020	50K		BOURNS	3386W-1-503	
VR2007	RESISTOR TRIM CONTROL ST SA	51415-50020	50K		BOURNS	3386W-1-503	
VR2008	RESISTOR TRIM CONTROL MT SA	51515-10010	1K		BOURNS	3299X-1-102	
W2001	SEMICON VCA	29007-10100			VALLEY PEOPLE	TA-101	1

PREAMP PCB ASSEMBLY 5500-73005

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	PRINTED CIRCUIT BOARD	5500-43005			AMBER	5500-43005	1
	HANDLE BRACKET	5500-60302			AMBER	5500-60302	1
	EJECTOR LATCHES ORANGE	65299-50052			THERMALLOY	5005-20N	2
	CONNECTOR SOCKET 8PIN	71008-20839			AUGAT	208-AG39D	4
	CONNECTOR SOCKET 16PIN	71016-21639			AUGAT	216-AG39D	11
	CONNECTOR SOCKET 20PIN	71020-22039			AUGAT	220-AG39D	1
	FUSE CLIPS	85314-10206			LITTLEFUSE	102071:102068	2
C3001	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	22
C3002	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 10V	8
C3003	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 10V	
C3004	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 10V	
C3005	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 10V	
C3006	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3007	CAPACITOR CERAMIC DISC	41033-11000	100P	20%	ERIE	831-000-COGO-100D	
C3008	CAPACITOR TRIM CONTROL TA	49000-53801	7-25P		MURATA/ERIE	DV11PS25B	2
C3009	CAPACITOR TRIM CONTROL TA	49000-53801	7-25P		MURATA	DV11PS25B	
C3010	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3011	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3012	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 10V	
C3013	CAPACITOR FILM	45042-13302	330P	20%	WIMA	FKC3 330/160/20W	2
C3014	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3015	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 10V	
C3016	CAPACITOR CERAMIC DISC	41033-01000	10P	20%		10PF100V:DC1-100J	4
C3017	CAPACITOR CERAMIC DISC	41033-01000	10P	20%		10PF100V:DC1-100J	
C3018	CAPACITOR CERAMIC DISC	41033-31000	0.01	20%		TCD-103Z	3
C3019	CAPACITOR CERAMIC DISC	41033-03300	33P	10%		33PF100V	4
C3020	CAPACITOR FILM	45042-10000	100P	5%	WIMA	4KC3 100\160\5	2
C3021	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3023	CAPACITOR MONOLYTIC	42031-41000	0.1		AVX	SR205E104MAA	
C3024	NOT INSTALLED						
C3025	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3026	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3027	CAPACITOR CERAMIC DISC	41033-31000	0.01	20%			
C3028	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3029	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 10V	
C3030	CAPACITOR CERAMIC DISC	41033-11000	100P	20%	ERIE	831-000-COGO-100D	
C3031	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3032	CAPACITOR FILM	45042-11000	100P	5%	WIMA	4KC3 100\160\5	
C3033	CAPACITOR CERAMIC DISC	41033-03300	33P	10%		33PF100V	
C3034	CAPACITOR FILM	45042-12201	220P	5%	WIMA		2
C3035	CAPACITOR CERAMIC DISK	41033-04700	47P	10%			1
C3036	NOT INSTALLED						
C3037	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3038	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3039	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3040	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3041	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 10V	
C3042	CAPACITOR CERAMIC DISC	41033-01000	10P	20%		10PF100V:DC1-100J	
C3043	CAPACITOR CERAMIC DISC	41033-01000	10P	20%		10PF100V:DC1-100J	
C3044	CAPACITOR CERAMIC DISC	41033-31000	0.01	20%		TCD-103Z	
C3045	CAPACITOR FILM HIGH VOLT AXIAL	45052-51000	1.0	10%	SIEMENS	1/10/400/5200	2
C3046	CAPACITOR FILM HIGH VOLT AXIAL	45052-51000	1.0	10%	SIEMENS	1/10/400/5200	
C3047	CAPACITOR FILM	45042-22202	2200P	20%	WIMA	FKC3 2200/160/20W	2

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
C3048	CAPACITOR CERAMIC DISC	41033-11000	100P	20%	ERIE	831-000-COGO-100D	3
C3049	CAPACITOR FILM	45042-12201	220P	5%	WIMA		
C3050	CAPACITOR CERAMIC DISC	41033-03900	39P	20%			1
C3051	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3052	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3053	CAPACITOR CERAMIC DISC	41033-14700	470P	20%			1
C3054	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3055	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3056	CAPACITOR ELECT 22/40	48050-02200	22	20%	SIEMENS	85200/22/40V	1
C3057	CAPACITOR FILM	45042-22202	2200P	20%	WIMA	FKC3 2200/160/20W	
C3058	CAPACITOR FILM	45042-13302	330P	20%	WIMA	FKC3 330/160/20W	
C3059	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3060	CAPACITOR FILM	45042-41000	0.1	5%	WIMA	MKS 0.1/100/5W	1
C3061	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3062	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C3063	CAPACITOR CERAMIC DISK	41033-03300	33P	10%			
C3064	CAPACITOR CERAMIC DISK	41033-03300	33P	10%			
D3001	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D3002	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D3003	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D3004	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	4
D3006	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	19
D3007	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3008	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3009	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3010	SEMICON TRANSORB 12V	29001-15120			MOTOROLA	1.5KE12A	2
D3011	SEMICON DIODE ZENER 3.3V	21207-07461			MOTOROLA	1N746A	3
D3012	SEMICON TRANSORB 36V	29001-63600			MOTOROLA	P6KE36	1
D3013	SEMICON DIODE ZENER 3.3V	21207-07461			MOTOROLA	1N746A	
D3015	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3016	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3017	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3018	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3019	SEMICON TRANSORB 12V	29001-15120			MOTOROLA	1.5KE12A	
D3020	SEMICON DIODE ZENER 3.3V	21207-07581			MOTOROLA	1N758	2
D3021	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3022	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3023	SEMICON DIODE ZENER 3.3V	21207-07581			MOTOROLA	1N758	
D3024	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3025	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3026	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3027	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3028	INSTALL JUMPER						1
D3029	SEMICON DIODE ZENER 3.3V	21207-07461			MOTOROLA	1N746A	
D3030	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3031	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3032	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3033	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D3034	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
F3001	LIGHT BULB MINIATURE 120V	91000-12000	120V		GI/CHIGAGO	120PS	2
F3002	LIGHT BULB MINIATURE 120V	91000-12000	120V		GI/CHIGAGO	120PS	
K3001	RELAY, REED 1A	84801-26041	12V		COTO	2604-12-300	7
K3002	RELAY, REED 1A	84801-26041	12V		COTO	2604-12-300	

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DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
K3003	RELAY, REED 1A	84801-26041	12V		COTO	2604-12-300	
K3004	RELAY, REED 1A	84801-26041	12V		COTO	2604-12-300	
K3005	RELAY, REED 1A	84801-26041	12V		COTO	2604-12-300	
K3006	RELAY, REED 1A	84801-26041	12V		COTO	2604-12-300	
K3007	RELAY, REED 1A	84801-26041	12V		COTO	2604-12-300	
K3008	RELAY, REED 2A	84801-42301			COTO	4230-12-3001	4
K3009	RELAY, REED 2A	84801-26531			COTO	2653-12-300	
K3010	RELAY, REED 2A	84801-26531			COTO	2653-12-300	
K3011	RELAY, REED 2A	84801-26531			COTO	2653-12-300	5
K3012	RELAY, 2C 18V	84801-18000	18V		ITT	RY18W-K	5
K3013	RELAY, 2C 18V	84801-18000	18V		ITT	RY18W-K	
K3014	RELAY, 2C 18V	84801-18000	18V		ITT	RY18W-K	
K3015	RELAY, 2C 18V	84801-18000	18V		ITT	RY18W-K	
K3016	RELAY, 2C 18V	84801-18000	18V		ITT	RY18W-K	
K3017	RELAY, REED 2A	84801-26531	12V		COTO	2653-12-300	
K3018	RELAY, REED 2A	84801-42301	12V		COTO	4230-12-3001	
K3019	RELAY, REED 2A	84801-42301	12V		COTO	4230-12-3001	
K3020	RELAY, REED 2A	84801-42301	12V		COTO	4230-12-3001	
K3021	RELAY, REED 2A	84801-26531	12V		COTO	2653-12-300	
N3001	RESISTOR NETWORK PRECISION	38935-17769	Custom	0.1%	CADDOCK	1776-91	2
N3002	RESISTOR NETWORK PRECISION	38935-17769	Custom	0.1%	CADDOCK	1776-91	
N3003	RESISTOR NET 8 PIN 7RES SIP	39087-33010	3K3X7		BOURNS	4608R-101-332	2
N3004	RESISTOR NET 8 PIN 7RES SIP	39087-33010	3K3X7		BOURNS	4608R-101-332	
Q3001	SEMICON TRANSISTOR PNP GP	22622-44030			MOTOROLA	2N4403	10
Q3002	SEMICON TRANSISTOR PNP GP	22622-44030			MOTOROLA	2N4403	
Q3003	SEMICON TRANSISTOR PNP GP	22622-44030			MOTOROLA	2N4403	
Q3004	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q3005	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q3006	SEMICON TRANSISTOR PNP GP	22622-44030			MOTOROLA	2N4403	
Q3007	SEMICON TRANSISTOR PNP GP	22622-44030			MOTOROLA	2N4403	
Q3008	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	12
Q3009	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q3010	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q3011	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q3012	SEMICON DUAL N CH FET	22318-25146			MOTOROLA	2SK146GR	2
Q3013	SEMICON TRANSISTOR PNP GP	22622-44030			MOTOROLA	2N4403	
Q3014	SEMICON TRANSISTOR PNP GP	22622-44030			MOTOROLA	2N4403	
Q3015	SEMICON TRANSISTOR PNP GP	22622-44030			MOTOROLA	2N4403	
Q3016	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q3017	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q3018	SEMICON TRANSISTOR PNP GP	22622-44030			MOTOROLA	2N4403	
Q3019	SEMICON TRANSISTOR PNP GP	22622-44030			MOTOROLA	2N4403	
Q3020	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q3021	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q3022	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q3023	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q3024	SEMICON DUAL N CH FET	22318-25146			TOSHIBA	2SK146GR	
R3001	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB4725	6
R3002	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB4725	
R3003	RESISTOR CF 1/4W	32033-33000	330	5%	ALLEN BRADLEY	CB3315	
R3004	RESISTOR CF 1/4W	32033-33000	330	5%	ALLEN BRADLEY	CB3315	4
R3005	RESISTOR CF 1/4W	32033-36000	360	5%	ALLEN BRADLEY	CB3615	2
R3006	RESISTOR CF 1/4W	32033-47000	470	5%	ALLEN BRADLEY	CB4715	

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
R3007	RESISTOR CF 1/4W	32033-82010	8K2	5%	ALLEN BRADLEY	CB8225	2
R3008	RESISTOR CF 1/4W	32033-47000	470	5%	ALLEN BRADLEY	CB4715	4
R3009	RESISTOR CF 1/4W	32033-04700	47	5%	ALLEN BRADLEY	CB4705	
R3010	RESISTOR CF 1/4W	32033-13000	130	5%	ALLEN BRADLEY	CB1315	2
R3011	RESISTOR CF 1/4W	32033-33010	3K3	5%	ALLEN BRADLEY		1
R3013	RESISTOR CF 1/4W	32033-06200	62	5%	ALLEN BRADLEY	CB6205	4
R3014	RESISTOR CF 1/4W	32033-06200	62	5%	ALLEN BRADLEY	CB6205	
R3015	RESISTOR MF 1/4W	32040-24910	2K49	0.1%			5
R3016	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	2
R3017	RESISTOR MF 1/4W	32035-49900	499	1%	CORNING	SMA4-499R-1	2
R3019	RESISTOR MF 1/4W	32035-24310	2K43	1%	CORNING	SMA4-2.43K-1	1
R3020	RESISTOR CF 1/4W	32033-12030	120K	5%	ALLEN BRADLEY	CB1245	1
R3021	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB4725	
R3022	RESISTOR MF 1/4W	32040-68420	68K38	0.1%			2
R3023	RESISTOR MF 1/4W	32040-21620	21K62	0.1%			2
R3024	RESISTOR MF 1/4W	32040-68410	6K838	0.1%			2
R3025	RESISTOR MF 1/4W	32040-31610	3K162	0.1%			2
R3027	RESISTOR MF 1/4W	32040-63910	6K399	0.1%			1
R3028	RESISTOR MF 1/4W	32040-23010	2K303	0.1%			1
R3029	RESISTOR MF 1/4W	32040-107710	1K077	0.1%			1
R3030	RESISTOR MF 1/4W	32040-55300	553.3	0.1%			1
R3031	RESISTOR MF 1/4W	32040-29700	296.7	0.1%			1
R3032	RESISTOR MF 1/4W	32040-16300	162.6	0.1%			1
R3033	RESISTOR MF 1/4W	32040-09000	90.16	0.1%			1
R3034	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB4725	
R3035	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB4725	
R3036	RESISTOR CF 1/4W	32033-33000	330	5%	ALLEN BRADLEY	CB3315	
R3037	RESISTOR CF 1/4W	32033-33000	330	5%	ALLEN BRADLEY	CB3315	
R3038	RESISTOR CF 1/4W	32033-36000	360	5%	ALLEN BRADLEY	CB3615	
R3039	RESISTOR CF 1/4W	32033-47000	470	5%	ALLEN BRADLEY	CB4715	
R3040	RESISTOR CF 1/4W	32033-82010	8K2	5%	ALLEN BRADLEY	CB8225	
R3041	RESISTOR CF 1/4W	32033-47000	470	5%	ALLEN BRADLEY	CB4715	
R3042	RESISTOR CF 1/4W	32033-04700	47	5%	ALLEN BRADLEY	CB4705	2
R3043	RESISTOR CF 1/4W	32033-13000	130	5%	ALLEN BRADLEY	CB1315	
R3044	RESISTOR MF 1/4W	32040-68420	68K38	0.1%			
R3045	RESISTOR MF 1/4W	32040-21620	21K62	0.1%			
R3046	RESISTOR MF 1/4W	32040-31610	3K162	0.1%			
R3047	RESISTOR MF 1/4W	32040-68410	6K838	0.1%			
R3048	RESISTOR MF 1/4W	32035-49900	499	1%	CORNING	SMA4-499R-1	
R3052	RESISTOR CF 1/4W	32033-06200	62	5%	ALLEN BRADLEY	CB6205	
R3053	RESISTOR CF 1/4W	32033-06200	62	5%	ALLEN BRADLEY	CB6205	
R3054	RESISTOR MF 1/4W	32040-24910	2K49	0.1%			
R3056	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB4725	
R3057	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R3058	RESISTOR MF 1/4W	32040-24910	2K49	0.1%			
R3059	RESISTOR MF 1/4W	32040-24910	2K49	0.1%			
R3060	RESISTOR MF 1/4W	32040-24910	2K49	0.1%			
R3061	RESISTOR CF 1/4W	32033-10000	100	5%	ALLEN BRADLEY	CB1015	1
R3062	RESISTOR CF 1/4W	32033-02700	27	5%	ALLEN BRADLEY	CB2705	1
R3065	RESISTOR MF 1/4W	32035-60410	6K04	1%	CORNING	SMA4-6.04K-1	1
R3066	RESISTOR MF 1/4W	32035-66500	665	1%	CORNING	SMA4-665R-1	1
R3067	RESISTOR MF 2W	34065-15000	150	1%			2
R3068	RESISTOR MF 2W	34065-60000	600	1%			2

PREAMP PCB ASSEMBLY 5500-73005

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
R3069	RESISTOR MF 2W	34065-60000	600	1%			
R3070	RESISTOR MF 2W	34065-15000	150	1%			
R3071	RESISTOR CF 1/4W	32033-15040	1M5	5%	ALLEN BRADLEY	CB1555	1
U3001	SEMICON LINEAR POS REG 15V	25922-78152	15V		MOTOROLA	78M15AUC	1
U3002	SEMICON LINEAR NEG REG 15V	25922-79152	15V		MOTOROLA	79M15AUC	1
U3003	SEMICON LSTTL 8 BIT ADD LATCH	27743-74259			MOTOROLA	74LS259	3
U3004	SEMICON 7 TRANSISTOR ARRAY	29200-20030			MOTOROLA	ULN2003A	3
U3005	SEMICON AUDIO OP AMP	25211-33200			ANALOG DEVICES	MA332CP	2
U3006	SEMICON OCTAL D FLIP FLOP	27743-74273			MOTOROLA	74LS273	1
U3007	SEMICON LSTTL 8 BIT ADD LATCH	27743-74259			MOTOROLA	74LS259	
U3008	SEMICON 7 TRANSISTOR ARRAY	29200-20030			MOTOROLA	ULN2003A	
U3009	SEMICON LSTTL 8 BIT ADD LATCH	27743-74259			MOTOROLA	74LS259	
U3010	SEMICON LSTTL 3 TO 8 DECODER	27743-74138			MOTOROLA	74LS138	3
U3011	SEMICON 4 BIT MAG COMP	27743-74085			MOTOROLA	74LS85	3
U3012	SEMICON AUDIO OP AMP	25211-33200			ANALOG DEVICES	MA332CP	
U3013	SEMICON OP AMP LO NOIS LIN	25311-55340			SIGNETICS	NE5534AN	1
U3014	SEMICON OP AMP BI-FET DUAL	25111-07200			TI	TL-072CP	1
U3015	SEMICON 7 TRANSISTOR ARRAY	29200-20030			MOTOROLA	ULN2003A	
U3016	SEMICON LSTTL HEX D FF	27743-74174			MOTOROLA	74LS174	1
U3017	SEMICON LSTTL DUAL D FF	27743-74074			MOTOROLA	SN74LS74N	1
U3018	SEMICON LSTTL 3 TO 8 DECODER	27743-74138			MOTOROLA	74LS138	
U3019	SEMICON 4 BIT MAG COMP	27743-74085			MOTOROLA	74LS85	
U3020	SEMICON 4 BIT MAG COMP	27743-74085			MOTOROLA	74LS85	
U3021	SEMICON LSTTL 3 TO 8 DECODER	27743-74138			MOTOROLA	74LS138	
V3001	RESISTOR TRIM CONTROL MT TA	51516-20000	200		BOURNS	3299W-1-201	1

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	PRINTED CIRCUIT BOARD	5500-44004			AMBER	5500-44004	1
	PROMAG BRACKET	5500-60402	4		AMBER	5500-60402	1
	MACHINE SCREW FH 4-40	61111-14031	5/16		VARIOUS	AN507-440-R5	2
	MACHINE SCREW FH 6-32	61113-16025	1/4		VARIOUS	AN507-632-R4	3
	MACHINE NUT HEX	61222-44000	4-40		VARIOUS	MS35649-242	2
	MACHINE NUT PC MOUNT	61260-63200	6-32		PEM	KF2-632-ET	3
	MACHINE FLAT WASHER	61510-14300	#4		VARIOUS	AN 960-4	2
	MACHINE LOCK WASHER	61520-36400	#4		VARIOUS	AN936-A4	2
	INSULATOR STEP WASHER	61540-77210	TO-220		THERMALLOY	7721-7PPS	2
	INSULATOR MICA SHEET	61600-43779	TO-220		THERMALLOY	43-77-9	2
	EJECTOR LATCH	65299-00020	BLK		RN	EL-2K	2
	EJECTOR LATCH	65299-20810	YEL		SCANBE	S208-1	2
	CONNECTOR SOCKET IC DIL	71008-20839	8 PIN		AUGAT	208-AG39D	10
	CONNECTOR SOCKET IC DIL	71014-21439	14PIN		AUGAT	214-AG39D	2
	CONNECTOR SOCKET IC DIL	71016-21639	16PIN		AUGAT	216-AG39D	11
	CONNECTOR SOCKET IC DIL	71020-22039	20PIN		AUGAT	220-AG39D	4
C4001	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	4
C4002	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C4003	CAPACITOR FILM	45042-21001	1000P	5%	WIMA	FKC3/1000/160/5W	1
C4004	CAPACITOR FILM	45042-41002	0.1	20%	WIMA	MKS3 0.1/100/20W	8
C4005	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	45
C4006	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4007	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4008	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4009	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4010	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4011	CAPACITOR FILM	45042-41002	0.1	20%	WIMA	MKS3 0.1/100/20W	
C4012	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4013	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4014	CAPACITOR NPO	41535-22000	220P	1%	VITRAMON	VP32BA221FB	1
C4015	CAPACITOR CERAMIC DISC	41033-14700	470P	5%	MURATA/ERIE	DD14F10N750471J500V	1
C4016	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4017	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4018	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4019	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4020	CAPACITOR TANTALUM 1.5/25V	47031-01590	1.5	10%	SIEMENS	TAG 1.5UF 25V	1
C4021	CAPACITOR CERAMIC DISC	41033-11500	150P	20%	MURATA/ERIE	DD09B10N750151J500V	1
C4022	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4023	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4024	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4025	NOT USED						
C4026	CAPACITOR TANTALUM 4.7/25V	47031-04790	4.7		ITT	TAG 4.7M25	2
C4027	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4028	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4029	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4030	CAPACITOR TANTALUM 10/25V	47031-10000	10	20%	ITT	COM TAG 10UF 25V	1
C4031	CAPACITOR FILM	45042-51002	1.0	20%	WIMA	MKS3 1.0/63/20W	1
C4032	CAPACITOR FILM	45042-41002	0.1	20%	WIMA	MKS3 0.1/100/20W	
C4033	CAPACITOR FILM	45042-41000	0.1	10%	WIMA	MKS3 0.1/100/10W	1
C4034	CAPACITOR FILM	45042-41002	0.1	20%	WIMA	MKS3 0.1/100/20W	
C4035	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4036	CAPACITOR TANTALUM 4.7/25V	47031-04790	4.7		ITT	TAG 4.7M25	
C4037	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
C4038	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4039	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4040	CAPACITOR FILM	45042-41002	0.1	20%	WIMA	MKS3 0.1/100/20W	
C4041	CAPACITOR FILM	45042-31000	0.01	20%	WIMA	MKS3 0.01/100/20W	2
C4042	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4043	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4044	CAPACITOR FILM	45042-44700	0.47	5%	WIMA	MKS3 0.47/63/5W	1
C4045	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4046	CAPACITOR FILM	45042-31000	0.01	20%	WIMA	MKS3 0.01/100/20W	
C4047	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4048	CAPACITOR FILM	45042-42200	0.22	5%	SIEMENS	B32561 .22UF 100V	1
C4049	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C4050	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4051	CAPACITOR FILM	45042-41002	0.1	20%	WIMA	MKS3 0.1/100/20W	
C4052	CAPACITOR FILM	45042-41002	0.1	20%	WIMA	MKS3 0.1/100/20W	
C4053	CAPACITOR FILM	45042-41002	0.1	20%	WIMA	MKS3 0.1/100/20W	
C4054	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4055	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4056	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4057	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4058	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4059	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C4060	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C4061	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C4062	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4063	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4064	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4065	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4066	CAPACITOR CERAMIC DISC	41033-13300	330P	20%	MP	GB331K	1
C4067	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C4068	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4069	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4070	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4071	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4072	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	5
C4073	CAPACITOR CERAMIC DISC	41033-01000	10P	5%	MURATA/ERIE	DD05B10N750100J500V	
C4074	NOT USED						
C4075	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4076	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4077	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4078	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4079	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C4080	NOT USED						
C4081	CAPACITOR ELECT 22/40V	48050-02200	22	20%	SIEMENS	85200/22/40V	1
C4082	CAPACITOR FILM	45042-44701	0.47	20%	WIMA	MKS3 0.47/63/20W	1
D4001	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	4
D4002	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D4003	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D4004	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D4005	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D4006	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D4007	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D4008	SEMICON DIODE GEN PURPOSE	21207-47450			MOTOROLA	1N4745	2

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
D4009	SEMICON DIODE GEN PURPOSE	21207-47450			MOTOROLA	1N4745	
D4012	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	12
D4013	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D4014	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D4015	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D4016	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D4017	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D4018	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D4019	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D4020	SEMICON DIODE GEN PURPOSE	21136-41500			MOTOROLA	1N4150TR	
D4021	SEMICON DIODE ZENER	21207-07551	7.5V		MOTOROLA	1N755A	
D4022	SEMICON DIODE ZENER	21207-07551	7.5V		MOTOROLA	1N755A	2
J4001	JUMPER						1
J4002	CONNECTOR LATCH RT ANGLE 50PIN	78003-20000			RN	IDH-50K-SR3-TG	1
J4003	NOT USED						
J4004	NOT USED						
Q4001	SEMICON SHUNT REGULATOR	25922-43100			TI	TL431CLP	1
Q4002	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q4003	SEMICON DUAL N CH FET	22318-25146			TOSHIBA	2SK146GR	1
Q4004	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	3
Q4005	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
R4001	RESISTOR CF 1/4W	32033-20010	2K0	5%	ALLEN BRADLEY	CB2025	1
R4002	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	3
R4003	RESISTOR CF 1/4W	32033-47020	47K	5%	ALLEN BRADLEY	CB4735	2
R4004	RESISTOR MF 1/4W	32035-24910	2K49	1%	CORNING	SMA4-2.49K-1	1
R4005	RESISTOR CF 1/4W	32033-51010	5K1	5%	ALLEN BRADLEY	CB5125	4
R4006	RESISTOR CF 1/4W	32033-51010	5K1	5%	ALLEN BRADLEY	CB5125	
R4007	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R4008	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	SMA4-10K-1	
R4009	RESISTOR CF 1/4W	32033-22010	2K2	5%	ALLEN BRADLEY	CB2225	
R4010	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R4011	RESISTOR CF 1/4W	32033-30010	3K	5%	ALLEN BRADLEY	CB3025	1
R4012	RESISTOR CF 1/4W	32033-10000	100	5%	ALLEN BRADLEY	CB1015	1
R4013	NOT USED						
R4014	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	7
R4015	NOT USED						
R4016	RESISTOR CF 1/4W	32033-47030	470K	5%	ALLEN BRADLEY	CB4745	1
R4017	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R4018	RESISTOR MF 1/4W	32035-24930	249K	1%	CORNING	SMA4-249K-1	1
R4019	NOT USED						
R4020	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R4021	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R4022	NOT USED						
R4023	NOT USED						
R4024	RESISTOR MF 1/4W	32035-30100	301	1%	CORNING	SMA4-301R-1	1
R4025	RESISTOR MF 1/4W	32035-60410	6K04	1%	CORNING	SMA4-6.04K-1	3
R4026	NOT USED						
R4027	NOT USED						
R4028	NOT USED						
R4029	RESISTOR MF 1/4W	32035-33230	332K	1%	CORNING	SMA4-332K-1	1
R4030	NOT USED						
R4031	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB4725	1
R4032	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
R4033	RESISTOR CF 1/4W	32033-22010	2K2	5%	ALLEN BRADLEY	CB2225	4
R4034	RESISTOR MF 1/4W	32040-10020	10K00	0.1%	CORNING		1
R4035	RESISTOR MF 1/4W	32040-31612	3K162	0.1%	CORNING		1
R4036	RESISTOR CF 1/4W	32033-51010	5K1	5%	ALLEN BRADLEY	CB5125	
R4037	RESISTOR CF 1/4W	32033-51010	5K1	5%	ALLEN BRADLEY	CB5125	
R4038	RESISTOR MF 1/4W	32035-49910	4K99	1%	CORNING	SMA4-4.9K-1	1
R4039	RESISTOR MF 1/4W	32040-14612	1K462	0.1%	CORNING		1
R4040	RESISTOR CF 1/4W	32033-22010	2K2	5%	ALLEN BRADLEY	CB2225	
R4041	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R4042	RESISTOR CF 1/4W	32033-22020	22K	5%	ALLEN BRADLEY	CB2235	1
R4043	RESISTOR CF 1/4W	32033-12000	120	5%	ALLEN BRADLEY	CB1215	1
R4044	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	3
R4045	RESISTOR CF 1/4W	32033-82000	820	5%	ALLEN BRADLEY	CB8215	2
R4046	RESISTOR CF 1/4W	32033-82000	820	5%	ALLEN BRADLEY	CB8215	
R4047	RESISTOR CF 1/4W	32033-22040	2M2	5%	ALLEN BRADLEY	CB2255	
R4048	RESISTOR MF 1/4W	32035-15020	15K0	1%	CORNING	SMA4-15K-1	1
R4049	RESISTOR CF 1/4W	32033-10050	10M	5%	ALLEN BRADLEY	CB1065	1
R4050	RESISTOR MF 1/4W	32035-16520	16K5	1%	CORNING	SMA4-16.5K-1	1
R4051	RESISTOR CF 1/4W	32033-15040	1M5	5%	ALLEN BRADLEY	CB1555	1
R4052	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY	CB1035	
R4053	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CB1025	
R4054	RESISTOR CF 1/4W	32033-22040	2M2	5%	ALLEN BRADLEY	CB2255	2
R4055	RESISTOR CF 1/4W	32033-22010	2K2	5%	ALLEN BRADLEY	CB2225	
R4056	RESISTOR CF 1/4W	32033-47020	47K	5%	ALLEN BRADLEY	CB4735	
R4057	RESISTOR MF 1/4W	32035-49920	49K9	1%	CORNING	SMA4-49.9K-1	1
R4058	NOT USED						
R4059	RESISTOR CF 1/4W	32033-10040	1M	5%	ALLEN BRADLEY	CB1055	1
R5056	RESISTOR MF 1/4W	32035-60410	6K04	1%	CORNING	SMA4-6.04K-1	
R5057	RESISTOR MF 1/4W	32035-60410	6K04	1%	CORNING	SMA4-6.04K-1	
RN4001	RESISTOR NET 8 PIN 7 RES SIP	39087-10020	10KX7		BOURNS	4608R-101-103	1
RN4002	RESISTOR NET 8 PIN 7 RES SIP	39087-47010	4K7X7	5%	BOURNS	4608R-101-472	3
RN4003	RESISTOR NET 8 PIN 7 RES SIP	39087-47010	4K7X7	5%	BOURNS	4608R-101-472	
RN4004	RESISTOR NET 8 PIN 4 RES SIP	39087-33010	3K3X4	5%	BOURNS	4608R-102-332	1
RN4005	RESISTOR NET 16 PIN 8 RES DIP	38165-20020	20KX8	5%	BOURNS	4116R-001-203	3
RN4006	RESISTOR NET 16 PIN 8 RES DIP	38165-20020	20KX8	5%	BOURNS	4116R-001-203	
RN4007	RESISTOR NET 16 PIN 8 RES DIP	38165-20020	20KX8	5%	BOURNS	4116R-001-203	
RN4008	NOT USED						
RN4009	RESISTOR NET 8 PIN 7 RES SIP	39087-47010	4K7X7	5%	BOURNS	4608R-101-472	
U4001	SEMICON POSITIVE REGULATOR	25922-78152	15V		MOTOROLA	78M15UC	1
U4002	SEMICON NEGATIVE REGULATOR	25922-79152	15V		MOTOROLA	79M15UC	1
U4003	SEMICON QUAD SWITCH	24021-21100			SILICONIX	DG211CJ	
U4004	SEMICON CMOS 8-CH ANALOG MUX	24021-50800			SILICONIX	DG508ACJ	4
U4005	SEMICON DUAL FET OP AMP	25312-34082			MOTOROLA	MC34082P	1
U4006	SEMICON VOLT TO FREQ CONVERTER	25000-32000			ANALOG DEVICES	VFC 32 KP	1
U4007	SEMICON OP AMP BI-FET DUAL	25111-07200			TI	TL-072CP	
U4008	SEMICON OP AMP BI-FET DUAL	25111-07200			TI	TL-072CP	
U4009	SEMICON RMS TO DC CONVERTER	25000-53600			ANALOG DEVICES	AD536AJD	1
U4010	SEMICON CMOS SWITCH	24021-40530			RCA	CD4053B	1
U4011	SEMICON CMOS 8-CH ANALOG MUX	24021-50800			SILICONIX	DG508ACJ	
U4012	SEMICON CMOS 8-CH ANALOG MUX	24021-50800			SILICONIX	DG508ACJ	
U4013	SEMICON OP AMP BI-FET DUAL	25111-07200			TI	TL-072CP	
U4014	SEMICON LSTTL 3 TO 8 DECODER	27743-74138			MOTOROLA	74LS138	1
U4015	SEMICON OCTAL BUS TRANSCIEVER	27743-74245			MOTOROLA	74LS245	2

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
U4016	SEMICON 4 BIT MAG COMP	27743-74085			MOTOROLA	74LS85	1
U4017	SEMICON OP AMP BI-FET DUAL	25111-07200			TI	TL-072CP	6
U4018	SEMICON LSTTL HEX INVERTER	27743-74004			MOTOROLA	74LS04	1
U4019	SEMICON CMOS 8-CH ANALOG MUX	24021-50800			SILICONIX	DG508ACJ	
U4020	SEMICON OP AMP LO NOISE	25311-55340			SIGNETICS	NE5534AN	1
U4021	SEMICON QUAD SWITCH	24021-21100			SILICONIX	DG211CJ	2
U4022	SEMICON OCTAL BUS TRANSCIEVER	27743-74245			MOTOROLA	74LS245	
U4023	SEMICON OCTAL D FLIP FLOP	27743-74273			MOTOROLA	74LS273	2
U4024	SEMICON OCTAL D FLIP FLOP	27743-74273			MOTOROLA	74LS273	
U4025	SEMICON QUAD 2 IN NAND	27743-74000			MOTOROLA	74LS00	1
U4026	SEMICON BI FET COMPARATOR	25308-31100			TI	TL311P	1
U4027	SEMICON OP AMP BI-FET DUAL	25111-07200			TI	TL-072CP	
U4028	SEMICON OP AMP BI-FET DUAL	25111-07200			TI	TL-072CP	
U4029	SEMICON OP AMP LO-OFFSET FET	25312-41200			NATIONAL	LF412N	1
VR4001	RESISTOR TRIM CONTROL ST SA	51415-50020	50K		BOURNS	3386W-1-503	1
VR4002	RESISTOR TRIM CONTROL MT SA	51515-50010	5K	10%		3299X-1-502	1
VR4003	RESISTOR TRIM CONTROL ST SA	51415-10020	10K		BOURNS	3386W-1-103	1
VR4004	RESISTOR TRIM CONTROL ST SA	51415-50010	5K		BOURNS	3386W-1-502	2
VR4005	RESISTOR TRIM CONTROL ST SA	51415-50010	5K		BOURNS	3386W-1-502	

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	PRINTED CIRCUIT BOARD	5500-47004			AMBER	5500-47004	1
	HANDLE BRACKET	5500-60702	7		AMBER	500-60702	1
	MACHINE SCREW FH 4-40	61111-14031	5/16		VARIOUS	AN507-440-R5	2
	MACHINE SCREW FH 6-32	61113-16025	1/4		VARIOUS	AN507-632-R4	3
	MACHINE NUT HEX	61222-44000	4-40		VARIOUS	MS35649-242	2
	MACHINE NUT PC MOUNT	61260-63200	6-32		PEM	KF2-632-ET	3
	MACHINE FLAT WASHER	61510-14300	#4		VARIOUS	AN960-4	2
	MACHINE LOCK WASHER	61520-36400	#4		VARIOUS	AN936-A4	2
	INSULATOR STEP WASHER	61540-77210	TO-220		THERMALLOY	7721-7PPS	2
	INSULATOR MICA SHEET	61600-43779	TO-220		THERMALLOY	43-77-9	2
	EJECTOR LATCH	65299-20810	VIO		SCANBE	S208-1	2
	CONNECTOR SOCKET IC DIL	71008-20839	8 PIN		AUGAT	208-AG39D	8
	CONNECTOR SOCKET IC DIL	71014-21439	14PIN		AUGAT	214-AG39D	3
	CONNECTOR SOCKET IC DIL	71016-21639	16PIN		AUGAT	216-AG39D	15
C7001	CAPACITOR CERAMIC DISC	41033-02200	22P	20%		10PF100V:DC1-100J	1
C7002	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7003	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	60
C7004	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7005	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7006	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7007	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7008	CAPACITOR CERAMIC DISC	41033-33000	330P	20%	MP	GB331K	
C7009	CAPACITOR CERAMIC DISC	41033-01000	10P	20%		10PF100V:DC1-100J	
C7010	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7011	CAPACITOR FILM	0.047					
C7012	CAPACITOR FILM	45042-18200	820P	5%	WIMA		1
C7013	CAPACITOR FILM	45042-42200	0.22	5%	SIEMENS	B32561.22UF100V	
C7014	CAPACITOR FILM	45042-42200	0.22	5%	SIEMENS	B32561.22UF100V	
C7015	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7016	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7020	JUMPER						1
C7025	CAPACITOR CERAMIC DISC	41033-01000	10P	20%		10PF100V:DC1-100J	5
C7026	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	16
C7027	CAPACITOR FILM	45042-42200	0.22	5%	SIEMENS	B32561.22UF 100V	3
C7028	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7029	CAPACITOR CERAMIC DISC	41033-13300	330P	20%	MP	GB331K	4
C7030	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7031	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7032	CAPACITOR CERAMIC DISC	41033-01000	10P	20%		10PF100V:DC1-100J	
C7033	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1		AVX	SR205E104MAA	
C7034	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7035	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7036	NOT USED						
C7037	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7038	CAPACITOR CERAMIC DISC	41033-33000	330P	20%	MP	GB331K	
C7039	CAPACITOR CERAMIC DISC	41033-01000	10P	20%		10PF100V:DC1-100J	
C7040	CAPACITOR CERAMIC DISC	41033-33000	330P	20%	MP	GB331K	
C7042	NOT USED						
C7044	NOT USED						
C7050	NOT USED						
C7054	NOT USED						
C7055	NOT USED						
C7059	NOT USED						

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
C7060	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7061	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7066	NOT USED						
C7073	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7074	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7075	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7076	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7077	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7078	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7079	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7080	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7081	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7084	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7086	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7087	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7088	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7089	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7090	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7091	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7092	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7093	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7094	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7095	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7096	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7097	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7098	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7099	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7100	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7101	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7102	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7103	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7104	CAPACITOR FILM	45042-31000	0.01	5%	WIMA	MKS3 0.01/100/5W	
C7105	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7106	CAPACITOR FILM	45042-22200	2200P	5%	WIMA	FKC3 2200/160/5W	
C7107	CAPACITOR FILM	45042-22200	2200P	5%	WIMA	FKC3 2200/160/5W	2
C7108	CAPACITOR FILM	45042-31000	0.01	5%	WIMA	MKS3 0.01/100/5W	3
C7109	NOT USED						
C7110	CAPACITOR FILM	45042-25600	5600P	5%	WIMA	FKC3 5600/160/5W	
C7111	CAPACITOR FILM	45042-25600	5600P	5%	WIMA	FKC3 5600/160/5W	2
C7113	CAPACITOR FILM	45042-31000	0.01	5%	WIMA	MKS3 0.01/100/5W	
C7114	CAPACITOR FILM	45042-31002	0.01	20%	WIMA	MKS3 0.01/100/20W	1
C7115	CAPACITOR FILM	45042-13300	330P	5%	WIMA		
C7116	CAPACITOR FILM	45042-13300	330P	5%	WIMA		2
C7117	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7118	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7119	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7120	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7121	NOT USED						
C7122	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7123	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7124	CAPACITOR CERAMIC DISC	41033-01000	10P	20%		10PF100V:DC1-100J	
C7125	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7126	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
C7127	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7128	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7129	CAPACITOR FILM	45042-41002	0.1	20%	WIMA	MKS3 0.1/100/20W	1
C7130	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7131	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7132	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7133	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7134	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7135	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7136	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7137	CAPACITOR FILM	45042-21001	1000P	5%	WIMA	FKC3 1000/160/5W	1
C7138	CAPACITOR MONOLYTHIC CEDRAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C7140	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200/10/40V	
C7141	CAPACITOR FILM	45042-51002	1.0	20%	WIMA	MKS3 1.0/63/20W	1
C7142	CAPACITOR MONOLYTHIC CERAMIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
D7001	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	4
D7002	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D7003	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D7004	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
Q7001	SEMICON TRANSISTOR NPN GP	22522-44010				2N4401	2
Q7002	SEMICON TRANSISTOR NPN GP	22522-44010				2N4401	
Q7005	SEMICON DUAL N CH FET	22318-25146			TOSHIBA	2SK146GR	1
R7004	RESISTOR CF 1/4W	32033-30010	3K	5%	CORNING		1
R7005	RESISTOR MF 1/4W	32035-49910	4K99	1%	CORNING	RN55D 4.99KD	1
R7007	RESISTOR CF 1/4W	32033-20010	2K	5%	CORNING		1
R7008	RESISTOR CF 1/4W	32033-10020	10K	5%	CORNING		4
R7009	RESISTOR CF 1/4W	32033-22040	2M2	5%	CORNING		1
R7010	RESISTOR MF 1/4W	32035-82520	82K5			8252F	1
R7011	RESISTOR CF 1/4W	32033-12000	120	5%	CORNING		1
R7012	RESISTOR MF 1/4W	32040-10020	10K00	0.1%	CORNING		
R7013	RESISTOR CF 1/4W	32033-10010	1K	5%	CORNING	CF1/4 1KR	
R7014	RESISTOR MF 1/4W	32035-33200	33K2			3322F	1
R7015	RESISTOR MF 1/4W	32035-34010	3K4	1%	CORNING	RN55D 3.4KD	1
R7016	RESISTOR MF 1/4W	32040-10020	10K00	0.1%	CORNING		4
R7017	RESISTOR MF 1/4W	32040-11110	1K111	0.1%	CORNING		4
R7018	RESISTOR CF 1/4W	32033-10010	1K	5%	CORNING	CF1/4 1KR	
R7019	RESISTOR MF 1/4W	32040-10020	10K00	0.1%	CORNING		
R7020	RESISTOR CF 1/4W	32033-10010	1K	5%	CORNING	CF1/4 1KR	
R7021	RESISTOR MF 1/4W	32040-11110	1K111	0.1%	CORNING		
R7022	RESISTOR MF 1/4W	32035-22110	2K21	1%	CORNING	RN55D 2.21KD	1
R7026	RESISTOR MF 1/4W	32035-82000	820	1%	CORNING		2
R7027	RESISTOR MF 1/4W	32035-82000	820	1%	CORNING		
R7033	RESISTOR CF 1/4W	32033-10010	1K	5%	CORNING	CF1/4 1KR	
R7034	RESISTOR CF 1/4W	32033-10010	1K	5%	CORNING	CF1/4 1KR	
R7035	RESISTOR CF 1/4W	32033-10020	10K	5%	CORNING		
R7055	RESISTOR CF 1/4W	32033-10010	1K	5%	CORNING	CF1/4 1KR	7
R7060	RESISTOR CF 1/4W	32033-51020	51K	5%	CORNING		1
R7061	RESISTOR MF 1/4W	32040-11110	1K111	0.1%	CORNING		
R7062	RESISTOR MF 1/4W	32040-11110	1K111	0.1%	CORNING		
R7063	RESISTOR MF 1/4W	32040-10020	10K00	0.1%	CORNING		
R7064	RESISTOR CF 1/4W	32033-10020	10K	5%	CORNING		
R7065	RESISTOR MF 1/4W	32035-12410	1K24	1%	CORNING	1241F	3
R7066	RESISTOR MF 1/4W	32035-33210	3K32	1%	CORNING	RN55D 3.32KD	3

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
R7067	RESISTOR MF 1/4W	32035-28720	28K7	1%	CORNING	2872F	1
R7068	RESISTOR MF 1/4W	32035-12410	1K24	1%	CORNING	1241F	
R7069	RESISTOR MF 1/4W	32035-33210	3K32	1%	CORNING	RN55D 3.32KD	
R7070	RESISTOR MF 1/4W	32035-11320	11K3	1%	CORNING		1
R7071	RESISTOR MF 1/4W	32035-12410	1K24	1%	CORNING	1241F	
R7072	RESISTOR MF 1/4W	32035-33210	3K32	1%	CORNING	RN55D 3.32KD	
R7073	RESISTOR MF 1/4W	32035-19630	196K	1%	CORNING	1963F	1
R7074	RESISTOR CF 1/4W	32033-10040	1M0	5%	CORNING		1
R7075	RESISTOR CF 1/4W	32033-10010	1K	5%	CORNING	CF1/4 IKR	
R7076	RESISTOR CF 1/4W	32033-47030	470K	5%	CORNING		1
R7077	RESISTOR CF 1/4W	32033-10020	10K	5%	CORNING		
R7078	RESISTOR CF 1/4W	32033-10030	100K	5%	CORNING		
R7079	RESISTOR CF 1/4W	32033-15040	1M5	5%	CORNING		1
R7080	RESISTOR CF 1/4W	32033-10030	100K	5%	CORNING		2
RN7001	RESISTOR NETWORK 8PIN/7RES SIP	39087-33010	3K3 X 7		MURATA	4608X-101-332	1
U7001	SEMICON POS REG	25922-78152	15V		TI	78M15UC	1
U7002	SEMICON NEG REG	25922-79152			MO	79M15AUC	1
U7003	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	1
U7004	SEMICON COS QUAD ANALOG SWITCH	24021-21100			SILICONIX	DG211CJ	
U7005	SEMICON AUDIO OP AMP	25211-33200			ANALOG SYSTEMS	MA332CP	
U7006	SEMICON AUDIO OP AMP	25211-33200			ANALOG SYSTEMS	MA332CP	3
U7007	SEMICON AUDIO OP AMP	25211-33200			ANALOG SYSTEMS	MA332CP	
U7008	NOT USED						
U7008	SEMICON OP AMP BI-FET DUAL	25111-07200			TI	TL-072CP	4
U7009	NOT USED						
U7010	NOT USED						
U7011	NOT USED						
U7012	NOT USED						
U7014	SEMICON LSTTL HEX INVERTER	27743-74004				74LS04	2
U7015	SEMICON LSTTL QUAD NAND	27743-74000				74LS00	1
U7016	SEMICON LSTTL 4 BIT COMPARATOR	27743-74085				74LS85	1
U7017	SEMICON LSTTL 3 TO 8 DECODER	27743-74138				74LS138	
U7018	SEMICON CMOS 8-CH ANAL MULTIPL	24021-50800				DG508ACJ	
U7019	SEMICON CMOS QUAD ANAL SWITCH	24021-21100			SILICONIX	DG211CJ	
U7020	SEMICON CMOS QUAD ANAL SWITCH	24021-21100			SILICONIX	DG211CJ	
U7021	SEMICON CMOS 8-CH ANAL MULTIPL	24021-50800				DG508ACJ	2
U7022	SEMICON OP AMP BI-FET DUAL	25111-07200			TI	TL-072CP	
U7023	SEMICON OP AMP BI-FET DUAL	25111-07200			TI	TL-072CP	
U7024	SEMICON CMOS QUAD ANAL SWITCH	24021-21100			SILICONIX	DG211CJ	8
U7025	SEMICON LSTTL 3 TO 8 DECODER	27743-74138				74LS138	2
U7026	SEMICON LSTTL HEX D FF	27743-74174				74LS174	
U7027	SEMICON LSTTL HEX D FF	27743-74174				74LS174	2
U7028	SEMICON LSTTL HEX INVERTER	27743-74004				74LS04	
U7029	SEMICON CMOS QUAD ANAL SWITCH	24021-21100			SILICONIX	DG211CJ	
U7030	SEMICON CMOS QUAD ANAL SWITCH	24021-21100			SILICONIX	DG211CJ	
U7031	SEMICON CMOS QUAD ANAL SWITCH	24021-21100			SILICONIX	DG211CJ	
U7032	SEMICON OP AMP BI-FET DUAL	25111-07200			TI	TL-072CP	
U7033	SEMICON CMOS QUAD ANAL SWITCH	24021-21100			SILICONIX	DG211CJ	
VR7001	RESISTOR TRIM CONTROL ST SA	51515-10010	1K		BOURNS	3299X-1-102	1

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	CAPACITOR BUS BAR	49000-71170	0.33P		ROGERS	QV2-7.11.7.33	5
	PRINTED CIRCUIT BOARD	5000-41004			AMBER	5000-41004	1
	EJECTOR LATCH WHITE	65299-50052			THERMALLOY	5005-20N	1
	CONNECTOR SOCKET IC DIL	71008-20839	8 PIN		AUGAT	208-AG39D	1
	CONNECTOR SOCKET IC DIL	71014-21439	14PIN		AUGAT	214-AG39D	10
	CONNECTOR SOCKET IC DIL	71016-21639	16PIN		AUGAT	216-AG39D	7
	CONNECTOR SOCKET IC DIL	71020-22039	20PIN		AUGAT	220-AG39D	3
	CONNECTOR SOCKET IC DIL	71028-22839	28PIN		AUGAT	228-AG39D	7
	CONNECTOR SOCKET IC DIL	71040-24039	40PIN		AUGAT	240-AG39D	4
B1001	NOT USED						
C1001	CAPACITOR ELECT 100/25	48030-10000	100		SIEMENS	81000 100UF 25V	2
C1002	CAPACITOR CERAMIC DISC	41033-01800	18P		MURATA/ERIE		1
C1003	CAPACITOR TRIM CONTROL TOP ADJ	49000-53801	7-25		MURATA/ERIE	538011B725	1
C1004	CAPACITOR ELECT 100/25	48030-10000	100		SIEMENS	81000 100UF 25V	
C1005	CAPACITOR TANTALUM 4.7/25	47031-04790	4.7				1
C1006	CAPACITOR TANTALUM 10/25	47031-10000	10	20%	ITT	TAP 10M25	10
C1007	CAPACITOR TANTALUM 10/25	47031-10000	10	20%	ITT	TAP 10M25	
C1008	CAPACITOR TANTALUM 10/25	47031-10000	10	20%	ITT	TAP 10M25	
C1009	CAPACITOR TANTALUM 10/25	47031-10000	10	20%	ITT	TAP 10M25	
C1010	CAPACITOR TANTALUM 10/25	47031-10000	10	20%	ITT	TAP 10M25	
C1011	CAPACITOR TANTALUM 10/25	47031-10000	10	20%	ITT	TAP 10M25	
C1012	CAPACITOR TANTALUM 10/25	47031-10000	10	20%	ITT	TAP 10M25	
C1013	CAPACITOR TANTALUM 10/25	47031-10000	10	20%	ITT	TAP 10M25	
C1014	CAPACITOR TANTALUM 10/25	47031-10000	10	20%	ITT	TAP 10M25	
C1015	CAPACITOR TANTALUM 10/25	47031-10000	10	20%	ITT	TAP 10M25	
C1016	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	22
C1017	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1018	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1019	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1020	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1021	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1022	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1023	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1024	CAPACITOR CERAMIC DISC	41033-00330	3.3P	20%	MURATA/ERIE		1
C1025	CAPACITOR CERAMIC DISC	41033-01000	10P		MURATA/ERIE		1
C1026	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1027	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1028	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1029	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1030	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1031	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1032	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1033	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1034	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1035	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1036	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1037	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1038	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C1039	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
D1001	SEMICON RECTIFIER	21135-40040			MOTOROLA	1N4004	5
D1002	SEMICON RECTIFIER	21135-40040			MOTOROLA	1N4004	
D1003	NOT USED	21135-40040			MOTOROLA	1N4004	
D1004	NOT USED	21135-40040			MOTOROLA	1N4004	

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
D1005	SEMICON DIODE	21207-50000			MOTOROLA	MPTE 5	1
D1006	SEMICON RECTIFIER	21135-40040			MOTOROLA	1N4004	
L45	JUMPER						2
L50	JUMPER						
N1001	RESISTOR NETWORK 8 PIN 7RES SIP	39087-33010	3K3X7	5%	BOURNS	4608R-101-332	3
N1002	RESISTOR NETWORK 8 PIN 7RES SIP	39087-33010	3K3X7	5%	BOURNS	4608R-101-332	
N1003	RESISTOR NETWORK 8 PIN 7RES SIP	39087-33010	3K3X7	5%	BOURNS	4608R-101-332	
P1	CONNECTOR HEADER LP RT ANG	78006-52125	50PIN		RN	IDH-50LP-SR3-TG	1
P2	CONNECTOR HEADER LP RT ANG	78006-52122	20PIN		RN	IDH-20LP-SR3-TG	2
P3	NOT USED	78006-52122	20PIN		RN	IDH-20LP-SR3-TG	
P4	CONNECTOR HEADER LP RT ANG	78006-26000	26PIN		RN	IDH-26LP-SR3-TG	1
Q1001	NOT USED						
R1001	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB4725	5
R1002	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB4725	
R1003	RESISTOR CF 1/4W	32033-10030	100K	5%	ALLEN BRADLEY	CB1045	1
R1004	RESISTOR CF 1/4W	32033-27010	2K7	5%	ALLEN BRADLEY	CB2725	1
R1005	RESISTOR CF 1/4W	32033-33010	3K3	5%	ALLEN BRADLEY	CB3325	1
R1006	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB4725	
R1007	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB4725	
R1008	RESISTOR CF 1/4W	32033-22010	2K2	5%	ALLEN BRADLEY	CB2225	1
R1009	RESISTOR CF 1/4W	32033-47010	4K7	5%	ALLEN BRADLEY	CB4725	
U1001	SEMICON CMOS CLOCK GENERATOR	29003-72091			INTERSIL	ICM7209IPA	1
U1002	SEMICON SYCH 4 BIT COUNTER	27743-74161			MOTOROLA	SN74LS161AN	2
U1003	SEMICON CMOS MEMORY RAM 8KX8	26022-62641			HITACHI	HM6264P-12	2
U1004	SEMICON OCT BUS TRANS NON INVER	27743-74245			MOTOROLA	74LS245N	3
U1005	SEMICON PROG TIMER	29002-68400			MOTOROLA	MC68B40P	2
U1006	SEMICON DUART	29240-26810			SIGNETICS	SCN2681A	1
U1007	SEMICON IEEE 488 INTERFACE	29200-68488			MOTOROLA	MC68B488P	1
U1008	SEMICON CMOS MEMORY RAM 8KX8	26022-62641			HITACHI	HM6264P-12	
U1009	SEMICON OCT FLIP FLOP TRI	27743-74374			MOTOROLA	SN74LS374N	2
U1010	SEMICON PROG TIMER	29002-68400			MOTOROLA	MC68B40P	
U1011	SEMICON PERIF INTERFACE ADAPT	29200-68210			MOTOROLA	MC68B21P	1
U1012	SEMICON CPU	29002-68090			MOTOROLA	MC68B09	1
U1013	SEMICON MEMORY EPROM 27128	26022-27128			FUJ	27128G-25	2
U1014	SEMICON OCT FLIP FLOP TRI	27743-74374			MOTOROLA	SN74LS374N	
U1015	SEMICON QUAD 2 INPUT OR GATE	27741-74032			MOTOROLA	74F32N	1
U1016	SEMICON LSTTL 3 TO 8 DECODER	27743-74138			MOTOROLA	74LS138N	1
U1017	SEMICON DUAL 4BIT BIN COUNTER	27743-74393			MOTOROLA	SN74LS393N	1
U1018	SEMICON TTL DUAL D FLIP-FLOP	27743-74074			MOTOROLA	74LS74AN	1
U1019	SEMICON QUAD 2 INPUT NAND GATE	27743-74000			MOTOROLA	74LS00N	3
U1020	SEMICON CMO HI SPEED 3-8 DECOD	27741-74138			MOTOROLA	74F138N	1
U1021	SEMICON MEMORY EPROM 27128	26022-27128			FUJ	27128G-25	
U1022	SEMICON QUAD 2 INPUT NAND GATE	27743-74000			MOTOROLA	74LS00N	
U1023	SEMICON LSTTL HEX INVERTER	27741-74004			MOTOROLA	74F04N	1
U1024	SEMICON LSTTL HEX INVERTER OC	27743-74005			MOTOROLA	SN74LS05N	1
U1025	SEMICON SYCHRON 4BIT COUNTER	27743-74161			MOTOROLA	SN74LS161AN	
U1026	SEMICON QUAD 2 INPUT NAND GATE	27743-74000			MOTOROLA	74LS00N	
U1027	SEMICON LSTTL HEX INVERTER	27743-74004			MOTOROLA	74LS04N	1
U1028	SEMICON MEMORY BIPOLAR PROM	26022-27130			AMD	AM27S13APC	1
U1029	SEMICON MEMORY EPROM 250NS	26022-27256	256K			27256-25	1
U1030	SEMICON DUAL JK EDGE TRIG FLIP	27743-74112			MOTOROLA	SN74LS112AN	1
U1031	SEMICON LSTTL HEX BUS DRIVER	27743-74367			MOTOROLA	SN74LS367AN	2
U1032	NOT USED	27743-74367			MOTOROLA	SN74LS367AN	

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
U1033	SEMICON QUAD 2 INPUT EX-OR	27743-74086			MOTOROLA	SN74LS86N	1
U1034	NOT USED	27743-74640			MOTOROLA	74LS640N	1
U1035	NOT USED	27743-74245			MOTOROLA	74LS245N	
U1036	NOT USED	27743-74245			MOTOROLA	74LS245N	
X1001	CRYSTAL	52001-80000	8MHZ		LAPTECH	AMBER-5500	1
X1002	CRYSTAL	52001-36864	3.686		SFE	3.6864MHZ-HC18	1

GPIB INTERFACE PCB ASSEMBLY 5000-78503

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	RESISTOR CF 1/4W	32033-22000	220	5%	ALLEN BRADLEY	CB2215	1
	HARNESS FLAT CABLE	5500-30002	26PIN		AMBER	5500-30002	1
	PRINTED CIRCUIT BOARD	5500-48503			AMBER	5500-48503	1
	INTERFACE BRACKET GPIB	5500-67602			AMBER	5500-67602	1
	MACHINE SCREW PHIL PH 6-32	61111-16032	5/16		VARIOUS	MS35206-227	2
	MACHINE LOCK WASHER IT	61520-93660	#6		VARIOUS	AN936-A6	2
	EJECTOR LATCH	65299-20000			R NUGENT	EL-2K	2
	CONNECTOR ACCESS KIT	71002-00000			AMP	552633-4	1
	CONNECTOR SOCKET IC DIL	71024-22439	24PIN		AUGAT	224-AG39D	2
C801	CAPACITOR ELECT 220/16	48020-22000	220	20%	SIEMENS		1
C802	CAPACITOR MONOLYTIC	42031-41000	0.1	20%	AVX	SR205E104MAA	2
C803	CAPACITOR MONOLYTIC	42031-41000	0.1		AVX	SR205E104MAA	
P801	HEADER RT ANG MALE	78006-26000	26PIN		R NUGENT	IDH-26K-SR3-TG	1
P802	CONNECTOR RT ANG FEMALE	76002-55279	24PIN		AMP	552791-1	1
U801	SEMICON BUS TRANSCIEVER	29200-34470			MOTOROLA	MC3447P	2
U802	SEMICON BUS TRANSCIEVER	29200-34470			MOTOROLA	MC3447P	

POWER AMP PCB ASSEMBLY 5500-75005

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	HARNESS	5500-30501	P5001		AMBER	5500-30501	1
	PRINTED CIRCUIT BOARD (MOTHER)	5500-45003			AMBER	5500-45003	1
	POWER AMP BRACKET	5500-60505			AMBER	5500-60505	1
	POWER AMP SHIELD	5500-65105			AMBER	5500-65105	1
	HEAT SINK STRIP	5500-65402			AMBER	5500-65402	1
	DAUGHTER PCB ASSY	5500-75505			AMBER	5500-75505	1
	MACHINE SCREW FH 4-40	61111-14031	5/16		VARIOUS	AN507-440-R5	2
	MACHINE SCREW FH 6-32	61113-16025	1/4		VARIOUS	AN507-632-R4	3
	MACHINE NUT HEX	61222-44000	4-40		VARIOUS	MS35649-242	2
	MACHINE NUT PC MOUNT	61260-63200	6-32		PEM	KF2-632-ET	3
	MACHINE FLAT WASHER	61510-14300	#4		VARIOUS	AN960-4	2
	MACHINE LOCK WASHER	61520-36400	#4		VARIOUS	AN936-A4	2
	INSULATOR STEP WASHER	61540-77210	TO-220		THERMALLOY	7721-7PPS	2
	INSULATOR MICA SHEET	61600-43779	TO-220		THERMALLOY	43-77-9	
	EJECTOR LATCH	65299-20810	GREEN		SCANBE	S208-1	2
	CONNECTOR SOCKET IC DIL	71008-20839	8 PIN		AUGAT	208-AG39D	
	CONNECTOR SOCKET IC DIL	71016-21639	16PIN		AUGAT	216-AG39D	11
	CONNECTOR SOCKET IC DIL	71020-22039	20PIN		AUGAT	220-AG39D	1
	CONNECTOR HEADER	78004-20410	4 PIN		MOLEX	22-10-2041	8
	FUSE CLIPS	85314-10206			LITTLEFUSE	102071:102068	1
C5002	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C5003	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5004	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5005	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C5006	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C5015	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C5036	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5037	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5038	CAPACITOR CERAMIC DISC	41033-31000	0.01	20%	MURATA/ERIE	TCD-103Z	1
C5039	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5040	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5041	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5042	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5043	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5049	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5050	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5051	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C5052	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C5053	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5054	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5055	CAPACITOR CERAMIC DISC	41033-02200	22P	20%	MURATA/ERIE	22PF100V	1
C5056	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5057	CAPACITOR ELECT 22/40	48050-02200	22	20%	SIEMENS	86200/22/40V	1
C5058	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5059	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5060	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
D5001	JUMPER INSTALLED						
D5002	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D5003	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D5004	SEMICON DIODE ZENER	21207-07551	7.5V			1N755A	
D5005	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	
D5006	SEMICON DIODE RECTIFIER	21135-40020			MOTOROLA	1N4002	4
D5007	SEMICON DIODE ZENER	21207-07551	7.5V			1N755A	2

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
D5013	SEMICON DIODE ZENER 1W	21207-47480	22V		MOT	1N4748ATR	1
D5026	JUMPER INSTALLED						
K5001	RELAY 2 FORM C 18V	84801-18000			ITT	RY18W-K	2
K5004	RELAY 2 FORM C 18V	84801-18000			ITT	RY18W-K	
R5001	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CF1/4 1KR	2
R5002	RESISTOR CF 1/4W	32033-10010	1K	5%	ALLEN BRADLEY	CF1/4 1KR	
R5047	RESISTOR CF 1/4W	32033-10030	100K	5%	ALLEN BRADLEY		
R5048	RESISTOR MF 1/4W	32035-20020	20K0	1%	CORNING		
R5059	RESISTOR MF 1/4W	32035-20020	20K0	1%	CORNING		3
R5060	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING		2
R5063	RESISTOR MF 1/4W	32035-10020	10K0	1%	CORNING	RN55D 10KR	
R5064	RESISTOR MF 1/4W	32035-20020	20K0	1%	CORNING		
R5065	RESISTOR CF 1/4W	32033-10030	100K	5%	ALLEN BRADLEY		
RN5001	RESISTOR NET 8 PIN 7 RES SIP	39087-10020	10K X 7			4608X-101-103	2
RN5002	RESISTOR NET 8 PIN 7 RES SIP	39087-10020	10K X 7			4608X-101-103	
RN5003	RESISTOR NET 16 PIN 8 RES DIP	38165-10030	100K X8			4116R-001-104	1
RN5006	RESISTOR NET 16 PIN 8 RES DIP	38165-10020	10KX8			4116R-001-103	1
RN5007	RESISTOR NET 16 PIN 8 RES DIP	38165-20020	20KX8			4116R-001-203	1
T5001	TRANSFORMER AUDIO	53508-58510			HAMMOND	585G	1
U5001	SEMICON POS REGULATOR 15V	25922-78152	15V		TI	78M15UC	1
U5002	SEMICON NEG REG 15V	25922-79152	15V		MO	79M15AUC	1
U5003	SEMICON LSTTL 8BIT ADD LATCH	27743-74259			TI	SN74LS259N	1
U5004	SEMICON TRANSISTOR 7 ARRAY	29200-20030				ULN2003AN	2
U5005	SEMICON TRANSISTOR 7 ARRAY	29200-20030				ULN2003AN	
U5010	SEMICON LSTTL OCTAL D FF	27743-74273				74LS273	1
U5011	SEMICON LSTTL HEX D FF	27743-74174				74LS174	2
U5012	SEMICON LSTTL HEX D FF	27743-74174				74LS174	
U5013	SEMICON CMOS SWITCH	24021-40530			SIGNETICS	CD4053B	
U5014	SEMICON CMOS SWITCH	24021-40530			SIGNETICS	CD4053B	
U5015	SEMICON LSTTL 3 TO 8 DECODER	27743-74138				74LS138	1
U5016	SEMICON 4BIT COMPARATOR	27743-74085				74LS85	1
U5017	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	4
U5018	SEMICON CMOS SWITCH	24021-40530			SIGNETICS	CD4053B	
U5019	SEMICON CMOS SWITCH	24021-40530			SIGNETICS	CD4053B	4

POWER AMP DAUGHTER PCB ASSEMBLY 5500-75505

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
	PRINTED CIRCUIT BOARD	5500-45504			AMBER	5500-45504	1
	POWER AMP HEAT SINK BLOCK	5500-65203			AMBER	5500-65203	1
	POWER AMP DB POWER SHIELD	5500-65303			AMBER	5500-65303	1
	HARDWARE PEM NUT	61260-44000	4-40		PEM	KF2 440 ET	4
	HEAT SINK CUP	61800-26041	TO-92			2604SH18E	1
	CONNECTOR SOCKET IC DIL	71008-20839	8 PIN		AUGAT	208-AG39D	6
	CONNECTOR SOCKET PC BOTTOM ENT	78005-20420	4 PIN		MOLEX	22-17-2042	
	CONNECTOR HOUSING LATCH	78010-20450	4 PIN		MOLEX	20-01-2045	1
C5007	CAPACITOR CERAMIC DISC	41033-04700	47P	20%	MURATA/ERIE	GH470K	1
C5008	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5009	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	12
C5010	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C5011	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5012	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C5013	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5014	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5016	CAPACITOR CERAMIC DISC	41033-03300	33P	20%	MURATA/ERIE		1
C5017	CAPACITOR FILM	45042-44701	0.47	20%	WIMA	MKS3 0.47/63/20W	1
C5018	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	34
C5019	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C5020	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C5021	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5022	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5023	CAPACITOR CERAMIC DISC	41033-11500	150P	20%	MURATA/ERIE	DB201-Z5P150PF	2
C5024	CAPACITOR CERAMIC DISC	41033-00330	3P3	20%	MURATA/ERIE		1
C5025	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5026	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5027	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5028	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5029	CAPACITOR CERAMIC DISC	41033-01000	10P	20%	MURATA/ERIE	22PF100V	1
C5030	CAPACITOR CERAMIC DISC	41033-11500	150P	20%	MURATA/ERIE	DB201-Z5P150PF	
C5031	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5032	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5044	CAPACITOR FILM	45042-21500	1500P	10%	WIMA	FKC3 1500/160/10W	1
C5045	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5046	CAPACITOR MONOLYTHIC	42031-41000	0.1	20%	AVX	SR205E104MAA	
C5047	CAPACITOR ELECT 10/40	48050-01000	10	20%	SIEMENS	85200 10UF 40V	
C5048	CAPACITOR CERAMIC DISC	41033-01000	10P	20%	MURATA/ERIE	10PF100V:DC1-100J	1
C5067	CAPACITOR FILM	45042-42200	0.22	20%		MKS3 0.22 63 20	1
C5068	NOT USED						
C5069	NOT USED						
D5008	SEMICON DIODE ZENER	21207-09660				1N966BTR	
D5009	SEMICON DIODE RECTIFIER	21135-40010			MOTOROLA	1N4001	4
D5010	SEMICON DIODE RECTIFIER	21135-40010			MOTOROLA	1N4001	
D5011	SEMICON DIODE	21135-40010			MOTOROLA	1N4001	
D5012	SEMICON DIODE	21135-40010			MOTOROLA	1N4001	
D5014	SEMICON DIODE ZENER	21207-09660				1N966BTR	2
D5015	SEMICON DIODE ZENER	21207-47460				1N4746A	4
D5016	SEMICON DIODE ZENER	21207-47460				1N4746A	
D5017	SEMICON DIODE ZENER	21207-47460				1N4746A	
D5018	SEMICON DIODE ZENER	21207-47460				1N4746A	
J5001	CONNECTOR HEADER LATCH	78007-20410	4PIN		MOLEX	22-29-2041	1
J5002	CONNECTOR SOCKET PC BOT. ENTRY	78005-20420	4PIN		MOLEX	22-17-2042	

POWER AMP DAUGHTER PCB ASSEMBLY 5500-75505

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
J5003	CONNECTOR SOCKET PC BOT. ENTRY	78005-20420	4PIN		MOLEX	22-17-2042	8
J5004	CONNECTOR SOCKET PC BOT. ENTRY	78005-20420	4PIN		MOLEX	22-17-2042	
J5005	CONNECTOR SOCKET PC BOT. ENTRY	78005-20420	4PIN		MOLEX	22-17-2042	
J5006	CONNECTOR SOCKET PC BOT. ENTRY	78005-20420	4PIN		MOLEX	22-17-2042	
J5007	CONNECTOR SOCKET PC BOT. ENTRY	78005-20420	4PIN		MOLEX	22-17-2042	
K5002	RELAY 2 FORM C 18V	84801-18000			ITT	RY18W-K	10
K5003	RELAY 2 FORM C 18V	84801-18000			ITT	RY18W-K	
K5005	RELAY 2 FORM C 18V	84801-18000			ITT	RY18W-K	
K5006	RELAY 2 FORM C 18V	84801-18000			ITT	RY18W-K	
K5007	RELAY 2 FORM C 18V	84801-18000			ITT	RY18W-K	
K5008	RELAY 2 FORM C 18V	84801-18000			ITT	RY18W-K	
K5009	RELAY 2 FORM C 18V	84801-18000			ITT	RY18W-K	
K5010	RELAY 2 FORM C 18V	84801-18000			ITT	RY18W-K	
K5011	RELAY 2 FORM C 18V	84801-18000			ITT	RY18W-K	
K5012	RELAY 2 FORM C 18V	84801-18000			ITT	RY18W-K	
Q5001	SEMICON TRANSISTOR POWER NPN	22522-00700			MOTOROLA	MPSU07	3
Q5002	SEMICON TRANSISTOR NPN POWER	22622-15028			MOTOROLA	MJE15028	2
Q5003	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q5004	SEMICON TRANSISTOR NPN	22622-71800				2N718A	2
Q5005	SEMICON TRANSISTOR PNP POWER	22622-15029				MJE15029	2
Q5006	SEMICON TRANSISTOR PNP GP	22622-15029			MOTOROLA	MJE15029	
Q5007	SEMICON TRANSISTOR PNP POWER	22622-15029				2N4403	
Q5008	SEMICON TRANSISTOR PNP GP	22622-44030			MOTOROLA	2N4403	4
Q5009	SEMICON TRANSISTOR NPN	22622-71800				2N718A	
Q5010	SEMICON TRANSISTOR NPN POWER	22622-15028				MJE15028	
Q5011	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	4
Q5012	SEMICON TRANSISTOR PNP POWER	22622-05000			MOTOROLA	MPSU57	
Q5013	SEMICON TRANSISTOR PNP GP	22622-44030			MOTOROLA	2N4403	
Q5014	SEMICON TRANSISTOR NPN POWER	22522-00700			MOTOROLA	MPSU07	
Q5015	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q5016	SEMICON TRANSISTOR NPN POWER	22522-00700			MOTOROLA	MPSU07	
Q5017	SEMICON TRANSISTOR NPN GP	22522-44010			MOTOROLA	2N4401	
Q5018	SEMICON TRANSISTOR PNP POWER	22622-05000			MOTOROLA	MPSU57	3
Q5019	SEMICON TRANSISTOR PNP GP	22622-44030			MOTOROLA	2N4403	
Q5020	SEMICON TRANSISTOR NPN POWER	22622-05000			MOTOROLA	MPSU57	
R5003	RESISTOR MF 1/4W	32035-30110	3K01	1%	CORNING	3011F	2
R5004	RESISTOR CF 1/4W	32033-12000	120	5%	ALLEN BRADLEY		1
R5005	RESISTOR CF 1/4W	32033-04970	4.7	5%	ALLEN BRADLEY		4
R5006	RESISTOR CF 1/4W	32033-04970	4.7	5%	ALLEN BRADLEY		
R5007	RESISTOR CF 1/4W	32033-04970	4.7	5%	ALLEN BRADLEY		
R5008	RESISTOR CF 1/4W	32033-04970	4.7	5%	ALLEN BRADLEY		
R5010	RESISTOR CF 1/4W	32033-10050	10M	5%	ALLEN BRADLEY		1
R5011	RESISTOR CF 1/4W	32033-10030	100K	5%	ALLEN BRADLEY	CF1/4 100KR	3
R5012	RESISTOR CF 1/4W	32033-10020	10K	5%	ALLEN BRADLEY		1
R5013	RESISTOR CF 1/4W	32033-20010	2K	5%	ALLEN BRADLEY		2
R5014	RESISTOR CF 1/4W	32033-02200	22	5%	ALLEN BRADLEY	CF1/4 22R	8
R5015	RESISTOR CF 1/4W	32033-12010	1K2	5%	ALLEN BRADLEY	CF1/4 1.2KR	2
R5016	RESISTOR CF 1/4W	32033-22000	220	5%	ALLEN BRADLEY	CF1/4 220R	8
R5017	RESISTOR CF 1/4W	32033-22000	220	5%	ALLEN BRADLEY	CF1/4 220R	
R5018	RESISTOR CF 1/4W	32033-02200	22	5%	ALLEN BRADLEY	CF1/4 22R	
R5019	RESISTOR CF 1/4W	32033-62000	620	5%	ALLEN BRADLEY		
R5020	RESISTOR CF 1/4W	32033-22000	220	5%	ALLEN BRADLEY	CF1/4 220R	
R5021	RESISTOR CF 1/4W	32033-22000	220	5%	ALLEN BRADLEY	CF1/4 220R	

DESIG	DESCRIPTION	AMBER PART NUMBER	ELECT VALUE	TOL	MANUFACTURER	MANUFACTURER PART NUMBER	QTY USED
R5022	RESISTOR CF 1/4W	32033-02200	22	5%	ALLEN BRADLEY	CF1/4 22R	
R5023	RESISTOR CF 1/4W	32033-02200	22	5%	ALLEN BRADLEY	CF1/4 22R	1
R5024	RESISTOR CF 1/4W	32033-02200	22	5%	ALLEN BRADLEY	CF1/4 22R	
R5025	RESISTOR CF 1/4W	32033-62000	620	5%	ALLEN BRADLEY		2
R5026	RESISTOR CF 1/4W	32033-22000	220	5%	ALLEN BRADLEY	CF1/4 220R	
R5027	RESISTOR CF 1/4W	32033-22000	220	5%	ALLEN BRADLEY	CF1/4 220R	
R5028	RESISTOR CF 1/4W	32033-02200	22	5%	ALLEN BRADLEY	CF1/4 22R	
R5029	RESISTOR CF 1/4W	32033-12010	1K2	5%	ALLEN BRADLEY	CF1/4 1.2KR	
R5030	RESISTOR CF 1/4W	32033-22000	220	5%	ALLEN BRADLEY	CF1/4 220R	
R5031	RESISTOR CF 1/4W	32033-22000	220	5%	ALLEN BRADLEY	CF1/4 220R	
R5032	RESISTOR CF 1/4W	32033-02200	22	5%	ALLEN BRADLEY	CF1/4 22R	
R5033	RESISTOR CF 1/4W	32033-02200	22	5%	ALLEN BRADLEY	CF1/4 22R	
R5035	RESISTOR CF 1/4W	32033-15040	1M5	5%	ALLEN BRADLEY		1
R5036	RESISTOR CF 1/4W	32033-20010	2K	5%	ALLEN BRADLEY		
R5037	RESISTOR CF 1/4W	32033-82010	8K2	5%	ALLEN BRADLEY		
R5038	RESISTOR MF 1/4W	32040-81120	81K28	0.1%	CORNING		1
R5039	RESISTOR CF 1/4W	32033-15000	150	5%	ALLEN BRADLEY		
R5040	RESISTOR MF 1/4W	32040-25720	25K71	0.1%	CORNING		1
R5041	RESISTOR CF 1/4W	32033-15000	150	5%	ALLEN BRADLEY		2
R5042	RESISTOR MF 1/4W	32040-10020	10K00	0.1%	CORNING		2
R5043	RESISTOR MF 1/4W	32040-10020	10K00	0.1%	CORNING		
R5044	RESISTOR CF 1/4W	32033-82010	8K2	5%	ALLEN BRADLEY		2
R5046	RESISTOR MF 1/4W	32035-10020	10K00	1%	CORNING		1
R5049	RESISTOR MF 2W	34065-05000	50.00	0.1%			
R5050	RESISTOR MF 1/2W	32050-50000	500.0	0.1%			
R5051	RESISTOR MF 1/4W	32040-06200	62.00	0.1%	CORNING		
R5052	RESISTOR MF 1/4W	32040-49400	494.0	0.1%	CORNING		6
R5053	RESISTOR MF 1/4W	32040-06100	61.13	0.1%	CORNING		
R5054	RESISTOR MF 1/4W	32040-06100	61.13	0.1%	CORNING		
R5055	RESISTOR MF 1/4W	32040-49400	494.0	0.1%	CORNING		
R5056	RESISTOR MF 1/4W	32040-05500	55.00	0.1%	CORNING		
R5057	RESISTOR MF 1/4W	32040-49400	494.0	0.1%	CORNING		
R5058	RESISTOR MF 1W	32050-25000	250.0	0.1%	CONSTANTA		2
R5061	RESISTOR MF 1W	32060-02500	25.00	0.1%	CONSTANTA		2
R5062	RESISTOR MF 1W	32060-02500	25.0	0.1%	CONSTANTA		
R5066	RESISTOR MF 1/2W	32050-50000	500.0	0.1%			2
R5067	RESISTOR MF 2W	34065-05000	50.00	0.1%			2
R5068	RESISTOR MF 1/4W	32040-06200	62.00	0.1%	CORNING		2
R5069	RESISTOR MF 1/4W	32040-49400	494.0	0.1%	CORNING		
R5070	RESISTOR MF 1/4W	32040-49400	494.0	0.1%	CORNING		
R5071	RESISTOR MF 1/4W	32040-06100	61.13	0.1%	CORNING		
R5072	RESISTOR MF 1/4W	32040-06100	61.13	0.1%	CORNING		4
R5073	RESISTOR MF 1W	32050-25000	250.0	0.1%	CONTANTA		
R5074	RESISTOR MF 1/4W	32040-49400	494.0	0.1%	CORNING		
R5075	RESISTOR MF 1/4W	32040-05500	55.00	0.1%	CORNING		2
U5006	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U5007	SEMICON BI-FET OP AMP	25111-07100				TL-071CP	1
U5008	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
U5009	SEMICON OP AMP LO NOISE LIN	25311-55340			SIGNETICS	NE5534AN	
VR5001	RESISTOR TRIM CONTROL MT TA	51516-20000	200			3299W-1-201	1